133-10 39th Avenue

QUEENS, NY 11354

Off-Site Soil Vapor Intrusion Report

NYSDEC BCP Site No.: [TO COME]

AKRF Project Number: 210202

Prepared For:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Remedial Bureau B
625 Broadway, 12th Floor
Albany, New York 12233

Prepared On Behalf Of:

Magnolia Gardens Developer Inc.
108 Norfolk Street
New York, NY 10002

Prepared by:

AKRF
440 Park Avenue South, 7th Floor
New York, New York 10016
212-696-0670

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1.0 INTRODUCTION

This Off-Site Soil Vapor Intrusion (OSVI) Report (OSVIR) has been prepared by AKRF, Inc. (AKRF) on behalf of Magnolia Gardens Developer Inc. for the property located at 133-10 39th Avenue in the Flushing section of Queens, New York (the "Site"). The Site is also identified by the City of New York as Borough of Queens, Block 5073, Lot 12. Magnolia Gardens Developer Inc. is the Applicant to the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) for the Magnolia Gardens site, located at 39-03 College Point Boulevard, west-adjacent to the Site (the "proposed BCP Site"). The proposed BCP Site is submitting a BCP Application based on a pre-application call with NYSDEC on September 12, 2022. A map showing the location of the Site and Proposed BCP Site is provided as Figure 1.

Elevated concentrations of volatile organic compounds (VOCs), primarily associated with chlorinated solvents, were identified in groundwater and soil vapor at the Proposed BCP Site, based on the Remedial Investigation Report (RIR) prepared by AKRF in August 2022 and updated in December 2022. To assist in determining whether the Proposed BCP Site is a "significant threat," NYSDEC required an Off-Site Soil Vapor Intrusion (OSVI) investigation at the Site to evaluate whether soil vapor intrusion caused by the proposed BCP Site is occurring. The investigation was completed in accordance with AKRF's Off-Site Soil Vapor Intrusion Work Plan (OSVIWP) dated October 2022, which was reviewed by NYSDEC prior to implementation.

This OSVIR describes the methodology for collecting sub-slab vapor (SV), indoor air (IA), and ambient air (AA) data at the Site, and discusses the analytical findings. The field work associated with this investigation was completed on December 7 and 8, 2022. The investigation included: a pre-sampling survey; the installation of three temporary sub-slab vapor points; and the collection and laboratory analysis of three sub-slab vapor samples, one ambient air sample co-located with sub-slab vapor point SV-01, and two indoor air samples co-located with sub-slab vapor points SV-02 and SV-03. All work was conducted in accordance with the Health and Safety Plan (HASP) provided in the OSVIWP. The sample locations are shown on Figure 2.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description and Surrounding Land Use

The Site consists of an approximately 3,740-square foot (sf) parcel located at 133-10 39th Avenue in the Flushing section of Queens, New York, and is identified by the City of New York as Borough of Queens Block 4973, Lot 12. Currently, the Site is developed with a two-story office building with a basement, and front and rear yards. The building's front yard, situated at the basement floor grade (approximately 15 feet below street grade), is covered with concrete pavers. Street grade along the Site is approximately 44 feet above the North American Vertical Datum of 1988 (NAVD 88). The basement is the structure's lowest occupied floor, and contains offices, a conference room, and a boiler room.

The west-adjacent Proposed BCP Site is a vacant lot surrounded by plywood construction fencing. Based on AKRF's RIR, chlorinated VOCs (CVOCs) were identified in soil, groundwater, and soil vapor at the Proposed BCP Site, primarily in its northeastern corner. A shallow soil hotspot with elevated trichloroethene (TCE) concentrations was identified in the northeastern portion of the Proposed BCP Site. Groundwater VOC concentrations were generally low, with TCE detected at concentrations up to 14 micrograms per liter (µg/L), slightly above its NYSDEC Ambient Water Quality Standard/Guidance Value (AWQSGV) of 5 µg/L. Concentrations of CVOCs in soil vapor along the northern, western, and southern Site perimeters were low; however, elevated CVOC concentrations were identified at the eastern perimeter of the Proposed BCP Site, with TCE detected at up to 66 micrograms per cubic meter (µg/m^3), and tetrachloroethene (PCE) detected at up to 81 µg/m^3.

The surrounding area comprises predominantly commercial and residential uses with some parking lots.

2.2 Site Geology, Hydrogeology, and Subsurface Characteristics

Based on U.S. Geological Survey mapping (Flushing, NY Quadrangle, 2013) and the ESA for the Proposed BCP Site, street grade along the Site is approximately 44 feet above NAVD 88, with the surrounding area topography sloping down toward the southwest. Bedrock is anticipated to be approximately 290 feet below ground surface (bgs).

The RIR noted that groundwater was encountered beneath the Proposed BCP Site at depths ranging from approximately 31.8 to 42.0 feet bgs and was delineated as flowing in an east-northeasterly direction. However, historical delineation of groundwater flow on other nearby sites (a filling station at 133-11 Roosevelt Avenue and a development at 133-31 39th Avenue) indicated westerly or southwesterly groundwater flow toward Flushing Creek (the nearest body of water, approximately 830 feet away), which was consistent with the anticipated flow direction based on regional topography. The discrepancy between groundwater flow delineated at the Proposed BCP Site and at other nearby properties may be due to clay layers restricting groundwater flow across the Proposed BCP Site.

2.3 Site History

Based on a Phase I Environmental Site Assessment (ESA) prepared for the adjacent Proposed BCP Site (AKRF, August 2021), the Site was historically a used car sales lot (circa 1934), a parking lot (circa 1951), a medical instrument factory (circa 1962-1985), and vacant land (circa 1988). The existing on-site structure was built between 1988 and 1991 and appeared to have contained office and/or commercial uses throughout its history.

3.0 FIELD PROGRAM

The OSVI field program included the collection of soil vapor, indoor air, and ambient air samples from the Site, which provided access and authorization for collecting the samples.

3.1 Access Coordination

Prior to conducting field activities, an Access Agreement was signed by Queens Housing and Immigrant Center Corp. (the owner of the Proposed BCP Site) and 39th Ave Realty Management LLC (the Owner of the Site) to allow AKRF access to the Site to conduct the OSVI investigation. The executed access agreement is provided in Appendix A.

3.2 Pre-Sampling Survey

Prior to conducting the OSVI investigation, AKRF performed a pre-sampling inspection to gather information on the Site's building characteristics; air flow patterns; heating, venting and air conditioning (HVAC); utilities; building operations; chemical and maintenance product inventory; and other known factors that may affect indoor air quality in the areas to be sampled. A photoionization detector (PID) with parts per billion (ppb) detection range (ppbRAE 3000) was used during the survey to screen for volatile organic compounds (VOCs) near windows, air supply vents, and stored chemicals and other potential sources, to the extent that the Site owner provided access. PID readings in the basement and on the ground floor were generally less than 101 ppb. Higher readings were noted in the vicinity of some chemicals stored in the basement (196 ppb near a container of disinfectant wipes and 3,090 ppb near a container of isopropyl alcohol). The NYSDOH questionnaire completed as part of the pre-sampling survey is included in Appendix B.

3.3 Sample Locations

Three sub-slab vapor samples were collected from temporary sub-slab vapor sampling points. Sampling point SV-01 was installed in the concrete-paved front yard, in close proximity to the area of elevated CVOC concentrations at the Proposed BCP Site. Ambient air sample location AA-01 was co-located with this sampling point. Although light rain was noted during the start of sampling, this location was protected from the elements by an overhead ledge. Sampling point SV-02 was installed in the on-site building's basement, in close proximity to the area of elevated CVOC concentrations at the Proposed BCP Site. At the request of Site representatives, this sampling point was installed in a conference room closet to minimize visible damage to Site flooring. Indoor air sample location IA-01 was co-located with this sampling point. Sampling point SV-03 was installed in the southern portion of the on-site building's basement. Indoor air sample location IA-02 was co-located with this sampling point. The sampling locations are summarized in Table A and are shown on Figure 2.

Table A
Sample Locations

Location	Sub-Slab Vapor Sample ID(s)	Indoor Air Sample ID(s)	Ambient Air Sample ID(s)
Front Yard	133-10_39TH_SV-01_20221207	N/A	133-10_39TH_AA-01_20221207
Conference room (basement)	133-10_39TH_SV-02_20221207	133-10_39TH_IA-01_20221207	N/A
Office (basement)	133-10_39TH_SV-03_20221207	133-10_39TH_IA-02_20221207	N/A

N/A = not applicable

3.4 Sub-Slab Vapor, Indoor Air, and Ambient Air Sample Collection and Analysis

Three temporary sub-slab vapor points (SV-01, SV-02, and SV-03) were installed by Cascade Drilling, L.P. of Mineola, NY on December 7, 2022 to facilitate the collection of samples for laboratory analysis. One ambient air sample and two indoor air samples were co-located with the sub-slab vapor points. The sample locations are shown on Figure 2.

The temporary sub-slab vapor sampling points were installed by advancing an expendable drive point using a hammer drill to approximately 2 inches below the existing 4-inch concrete slab. At each point, a 6-inch stainless steel screen implant connected to Teflon™ tubing was installed by hand and threaded into the drive point. The sampling tubing extended from the end of the screen to above grade. The locations were backfilled with clean silica sand to 2 inches above the screen and hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

Prior to sample collection, all the sampling points were purged of at least three sample volumes using a GilAir® low-flow air sampling pump. During purging, a shroud was placed over the sampling point and helium gas was introduced to saturate the atmosphere around the sample port. Purged vapors were collected into a 1-liter Tedlar™ bag and field-screened for organic vapors using a PID. The purged air was also be monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point.

Following purging, a sub-slab vapor sample was collected from each sub-slab vapor point. The sub-slab vapor samples and the co-located ambient air and indoor air samples were collected using 6-liter SUMMA® canisters certified clean by the laboratory and equipped with 24-hour regulators. The indoor and ambient air samples were placed at approximately 3-5 feet above the ground to represent the breathing zone.

The initial SUMMA® canister vacuum (inches of mercury) was noted immediately after opening the flow control valve. After approximately 24 hours, the flow controller valve was closed, the final vacuum noted, and the canister was placed in a shipping carton for delivery to the laboratory. Sample collection for indoor air sample 133-10_39TH_IA-01_20221207 was completed after approximately 22 hours due to the SUMMA® canister reaching zero vacuum before 24 hours of sample collection. Upon sample completion, the sampling locations were backfilled and the surface restored to match existing conditions.

Methodologies used for soil vapor assessment were consistent with the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion in the State of New York, dated October 2006, updated May 2017, and the NYSDEC-reviewed OSVIWP. The samples were transported via courier with appropriate COC documentation to Eurofins Burlington of South Burlington, Vermont, a NYSDOH ELAP-certified laboratory, for analysis for VOCs by EPA Method TO-15. Third-party data validation was performed by L.A.B. Validation Corp., of Northport, New York, and a Data Usability Summary Report (DUSR) was prepared.

3.5 Field Observations

No odors were noted during the sub-slab vapor, indoor air, and ambient (outdoor) air sampling. PID readings in the purged vapor ranged from 1.0 to 1.3 parts per million (ppm). Helium was detected at a concentration of 0.015% during the purging of temporary sub-slab vapor point SV-01, and at a concentration of 0.003% during the purging of temporary sub-slab vapor point SV-03, verifying an adequate bentonite seal at each location (the 2006 NYSDOH guidance document specifies that up to 10% of tracer gas is acceptable to verify an adequate seal). During initial purging of temporary sub-slab vapor point SV-02, the concentration of helium in purged vapor

exceeded the 10% limit specified by NYSDOH. Additional bentonite was added to the surface seal surrounding this point, and purging was repeated. During the second round of purging, helium was detected at a concentration of 7.1%, verifying an adequate surface seal.

Field sampling logs are included in Appendix C.

4.0 FINDINGS

4.1 Sub-Slab Vapor, Indoor Air, and Ambient Air Sample Analytical Results

The sub-slab vapor sample analytical results were compared to the indoor air sample analytical results using the NYSDOH Soil Vapor/Indoor Air Matrices, which are presented in the Final *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, updated May 2017. The NYSDOH has established Soil Vapor/Indoor Air Matrices for eight of the VOCs analyzed for [methylene chloride, PCE, TCE, vinyl chloride, 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene (c1,2-DCE), 1,1-dichloroethene (1,1-DCE), and carbon tetrachloride]. The analytical results are summarized below and included in Table 1. The complete laboratory analytical report and DUSR are provided in Appendix D.

The laboratory analytical report noted that during the SUMMA® canister pressure check performed upon receipt, sample 133-10-39TH_AA-01_20221207 was received at an elevated residual vacuum level. The associated flow controller was evaluated at the laboratory and found to be outside the acceptable flow range as compared to the original set flow rate. Clean nitrogen was added to the sample to bring the pressure into range prior to sample analysis. All analytical data was considered usable based on the DUSR.

Up to 35 VOCs, including chlorinated solvent and petroleum-related compounds, were detected in the samples collected and analyzed from this Site at concentrations ranging from an estimated 0.11 micrograms per cubic meter (µg/m^3) to 110 µg/m^3 (TCE in sub-slab vapor sample 133-10_39TH_SV-02_20221207). Of the compounds with established matrices:

- Methylene chloride was not detected in sub-slab vapor samples, but was detected in one indoor air sample (an estimated 0.75 µg/m^3) and the ambient air sample (an estimated 0.66 µg/m^3);
- PCE was detected in sub-slab vapor samples (max. concentration of 29 µg/m^3), indoor air samples (max. concentration of 1.4 µg/m^3), and the ambient air sample (an estimated concentration of 0.33 µg/m^3);
- TCE was detected in sub-slab vapor samples (max. concentration of 110 µg/m^3 in sample 133-10_39TH_SV-02_20221207), indoor air sample 133-10_39TH_IA-02_20221207 (an estimated concentration of 0.14 µg/m^3), and the ambient air sample (1.6 µg/m^3). TCE was not detected in sample 133-10_39TH_IA-01_20221207, which was co-located with sample 133-10_39TH_SV-02_20221207;
- 1,1,1-TCA was detected in two sub-slab vapor samples (max. concentration of 1.2 µg/m^3), but not detected in indoor or ambient air samples;
- c1,2-DCE was detected in one sub-slab vapor sample (0.36 µg/m^3), but not detected in indoor or ambient air samples;
- Carbon tetrachloride was detected in sub-slab vapor samples (max. concentration of 0.34 µg/m^3), indoor air samples (max. concentration of 0.32 µg/m^3), and the ambient air sample (0.31 µg/m^3); and
- Vinyl chloride and 1,1-DCE were not detected.

Based on the low concentrations of TCE detected in indoor air, the sub-slab TCE concentrations did not appear to be causing vapor intrusion into the Site building. However, due to elevated sub-slab concentrations, the NYSDOH matrices recommended mitigation for TCE. For other matrix VOCs, the matrices recommended “no further action”. TCE mitigation is anticipated to consist of source removal at the Proposed BCP Site, including excavation of the TCE hotspot and surrounding soil. Excavation in the vicinity of the hotspot is proposed to extend to the eastern

property line of the Proposed BCP Site, and downward to a minimum of 16.5 feet bgs. Additionally, the building to be constructed on the Proposed BCP Site will be equipped with a sub-slab depressurization system (SSDS), which will operate as an active system for a minimum of five years, further reducing any residual VOC concentrations in soil vapor.

5.0 CONCLUSIONS

This Off-Site Soil Vapor Intrusion (OSVI) Investigation was conducted by AKRF, Inc. (AKRF) on behalf of Magnolia Gardens Developer Inc. for the property located at 133-10 39th Avenue in the Flushing section of Queens, New York (the "Site"). The Site is identified by the City of New York as Borough of Queens, Block 4973, Lot 12. Magnolia Gardens Developer Inc. is the Applicant to the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) for the Magnolia Gardens site, located at 39-03 College Point Boulevard, west-adjacent to the Site (the "proposed BCP Site"). A map showing the location of the Site and Proposed BCP Site is provided as Figure 1.

The Site is abutted to the north by 39th Avenue, followed by a multi-story residential building; to the east by office buildings; to the south by an electrical substation, followed by Roosevelt Avenue; and to the west by a vacant lot (the Proposed BCP Site), followed by College Point Boulevard. The surrounding area comprises predominantly commercial and residential uses, with some parking lots. A site plan is provided as Figure 2.

The west-adjacent Proposed BCP Site is a vacant lot surrounded by plywood construction fencing. Based on AKRF's RIR, chlorinated VOCs (CVOCs) were identified in soil, groundwater, and soil vapor at the Proposed BCP Site, primarily in its northeastern corner. A shallow soil hotspot with elevated trichloroethene (TCE) concentrations was identified in the northeastern portion of the Proposed BCP Site. Groundwater VOC concentrations were generally low, with TCE detected at concentrations up to 14 micrograms per liter (µg/L), slightly above its NYSDEC Ambient Water Quality Standard/Guidance Value (AWQSGV) of 5 µg/L. Concentrations of CVOCs in soil vapor along the northern, western, and southern Site perimeters were low. However, elevated CVOC concentrations were identified by the RI at the eastern perimeter of the Proposed BCP Site, with TCE detected at concentrations up to 66 micrograms per cubic meter (µg/m^3) and tetrachloroethene (PCE) detected at concentrations up to 81 µg/m^3. To assist in determining whether the Proposed BCP Site is a "significant threat," NYSDEC required an Off-Site Soil Vapor Intrusion (OSVI) investigation at the Site to evaluate whether soil vapor intrusion caused by the proposed BCP Site is occurring. The investigation was completed in accordance with AKRF's Off-Site Soil Vapor Intrusion Work Plan (OSVIWP) dated October 2022, which was reviewed by NYSDEC prior to implementation.

This Off-Site Vapor Intrusion Report (OSVIR) describes the procedures used to collect sub-slab vapor, indoor air, and ambient air data at the Site, and the results of the sampling. The field work associated with this OSVI investigation was completed December 7 and 8, 2022. The OSVI investigation included: the installation of three temporary sub-slab vapor sampling points; and the collection of sub-slab vapor, indoor air, and ambient (outdoor) air samples for field screening and laboratory analysis. All work was conducted in accordance with the Health and Safety Plan (HASP) provided in the October 2022 OSVIWP.

Based on the findings of the OSVI investigation, AKRF concludes the following:

- Up to 35 VOCs, including chlorinated solvent and petroleum-related compounds, were detected in the samples collected and analyzed from this Site at concentrations ranging from an estimated 0.11 micrograms per cubic meter (µg/m^3) to 110 µg/m^3 (TCE in sub-slab vapor sample 133-10_39TH_SV-02_20221207). Based on the low concentrations of TCE detected in indoor air, the sub-slab TCE concentrations did not appear to be causing vapor intrusion into the Site building. However, due to elevated sub-slab concentrations, TCE mitigation was recommended based on New York State Department of Health (NYSDOH) guidance.
- TCE mitigation is anticipated to consist of source removal at the Proposed BCP Site, including excavation of the TCE hotspot and surrounding soil. Excavation in the vicinity of the hotspot is

proposed to extend to the eastern property line of the Proposed BCP Site, and downward to a minimum of 16.5 feet bgs. Additionally, the building to be constructed on the Proposed BCP Site will be equipped with a sub-slab depressurization system (SSDS), which will operate as an active system for a minimum of five years, further reducing any residual VOC concentrations in soil vapor.

6.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the Site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the Site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

7.0 REFERENCES

1. *Phase I Environmental Site Assessment – 133-04 39th Avenue, Flushing, NY*, AKRF, August 2021 (133-04 39th Avenue is the historical address of the Proposed BCP Site, currently identified as 39-03 College Point Boulevard).
2. *Remedial Investigation Report – 39-03 College Point Boulevard, Queens, NY*, AKRF, August 2022, updated December 2022.
3. *Off-Site Soil Vapor Intrusion Work Plan – 133-10 39th Avenue, Queens, NY*, AKRF, October 2022.
4. *New York State Department of Health – Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006, including 2013, 2015, and 2017 updates.

TABLE

Table 1
133-10 39th Avenue
Queens, NY
Off-Site Soil Vapor Intrusion Report
Soil Vapor, Indoor Air, and Ambient Air Analytical Results of Volatile Organic Compounds (VOCs)

		Sample ID	133-10-39TH_AA-01_20221207	133-10_39TH_IA-01_20221207	133-10_39TH_IA-02_20221207	133-10-39TH_SV-01_20221207	133-10_39TH_SV-02_20221207	133-10_39TH_SV-03_20221207
		Lab Sample ID	200-66118-2	200-66118-4	200-66118-6	200-66118-1	200-66118-3	200-66118-5
		Date Sampled	12/08/2022	12/08/2022	12/08/2022	12/08/2022	12/08/2022	12/08/2022
		Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
		Dilution Factor	1	1	1	1	1	1
Compound	**NYSDOH Matrix Value**	**NYSDOH AGV**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1,000	NS	1.1 U	1.1 U	1.1 U	1.1 U	0.56 J	1.2
1,1,2,2-Tetrachloroethane	NS	NS	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	0.48 J	0.46 J	0.45 J	0.48 J	0.45 J	0.51 J
1,1,2-Trichloroethane	NS	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	NS	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	60	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	NS	NS	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	NS	NS	0.66 J	0.72 J	0.61 J	1.5	2.9	3
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	NS	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	NS	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	NS	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	0.98 U	0.98 U	0.98 U	0.47 J	0.75 J	0.88 J
1,3-Butadiene	NS	NS	0.27 J	0.25 J	0.19 J	0.44 U	0.61	0.11 J
1,3-Dichlorobenzene	NS	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	NS	NS	0.97	1.3	0.96	1	1	1.9
2-Chlorotoluene	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U
4-Ethyltoluene	NS	NS	0.98 U	0.98 U	0.98 U	0.42 J	0.65 J	0.75 J
Acetone	NS	NS	13	25	29	19	55	13
Allyl Chloride (3-Chloropropene)	NS	NS	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	NS	NS	1.4	1.5	1.5	1.5	1.8	2.2
Benzyl Chloride	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	NS	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Bromoform	NS	NS	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	NS	NS	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	NS	NS	8.2	14	11	4.9	2.6	1.3
Carbon Disulfide	NS	NS	1.6 U	1.6 U	1.6 U	0.46 J	1.1 J	1.6 U
Carbon Tetrachloride	60	NS	0.31	0.32	0.3	0.3	0.32	0.34
Chlorobenzene	NS	NS	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	NS	NS	1 J	0.98 J	0.86 J	0.99 J	0.83 J	0.82 J
Chloroethane	NS	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	NS	NS	0.98 U	0.23 J	0.24 J	0.71 J	6.1	2.7
Chloromethane	NS	NS	1.1	1.2	1.2	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	60	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.36	0.2 U
Cis-1,3-Dichloropropene	NS	NS	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	NS	NS	0.46 J	0.75	0.74	0.43 J	0.66 J	3.4
Cymene	NS	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.33 J
Dibromochloromethane	NS	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	NS	1.6 J	1.8 J	1.7 J	2.1 J	1.9 J	1.6 J
Ethylbenzene	NS	NS	0.84 J	0.89	1.1	1.4	2.7	2.3
Hexachlorobutadiene	NS	NS	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	NS	NS	12 U	23	54	12 U	4.7 J	4.8 J
Isopropylbenzene (Cumene)	NS	NS	0.98 U	0.98 U	0.98 U	0.36 J	0.98 U	0.64 J
M,P-Xylenes	NS	NS	2.7	2.7	3.2	3.9	6.4	6.7
Methyl Ethyl Ketone (2-Butanone)	NS	NS	1.5	1.8	2.3	1.6	3.1	2.5
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U
Methyl Methacrylate	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U
Methylene Chloride	1,000	60	0.66 J	0.75 J	1.7 U	1.7 U	1.7 U	1.7 U
Naphthalene	NS	NS	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
N-Butylbenzene	NS	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	NS	NS	0.97	1.3	0.95	3.6	7.8	6.5
N-Hexane	NS	NS	1.6 J	2.6	1.7 J	1.2 J	1.2 J	1.7 J
N-Propylbenzene	NS	NS	0.98 U	0.98 U	0.98 U	0.29 J	0.48 J	0.53 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.92	0.97	1.1	1.4	2.2	2.4
Sec-Butylbenzene	NS	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	NS	NS	0.85 U	0.85 U	0.59 J	0.85 U	0.34 J	0.51 J
T-Butylbenzene	NS	NS	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	NS	NS	15 U	15 U	15 U	4.8 J	5.7 J	7 J
Tert-Butyl Methyl Ether	NS	NS	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	1,000	30	0.33 J	0.53 J	1.4	1.7	19	29
Tetrahydrofuran	NS	NS	15 U	15 U	15 U	15 U	15 U	14 J
Toluene	NS	NS	3.7	4.2	3.8	5.8	6.8	10
Trans-1,2-Dichloroethene	NS	NS	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.11 J
Trans-1,3-Dichloropropene	NS	NS	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	60	**2**	1.6	0.2 U	0.14 J	**3.7**	**110**	**21**
Trichlorofluoromethane	NS	NS	1.1	1 J	0.9 J	1.1	2.4	1.1
Vinyl Bromide	NS	NS	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U	0.87 U
Vinyl Chloride	60	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 1
133-10 39th Avenue
Queens, NY
Off-Site Soil Vapor Intrusion Report
Notes

DEFINITIONS

J : The concentration given is an estimated value.

NS : No standard.

U : The analyte was not detected at the indicated concentration.

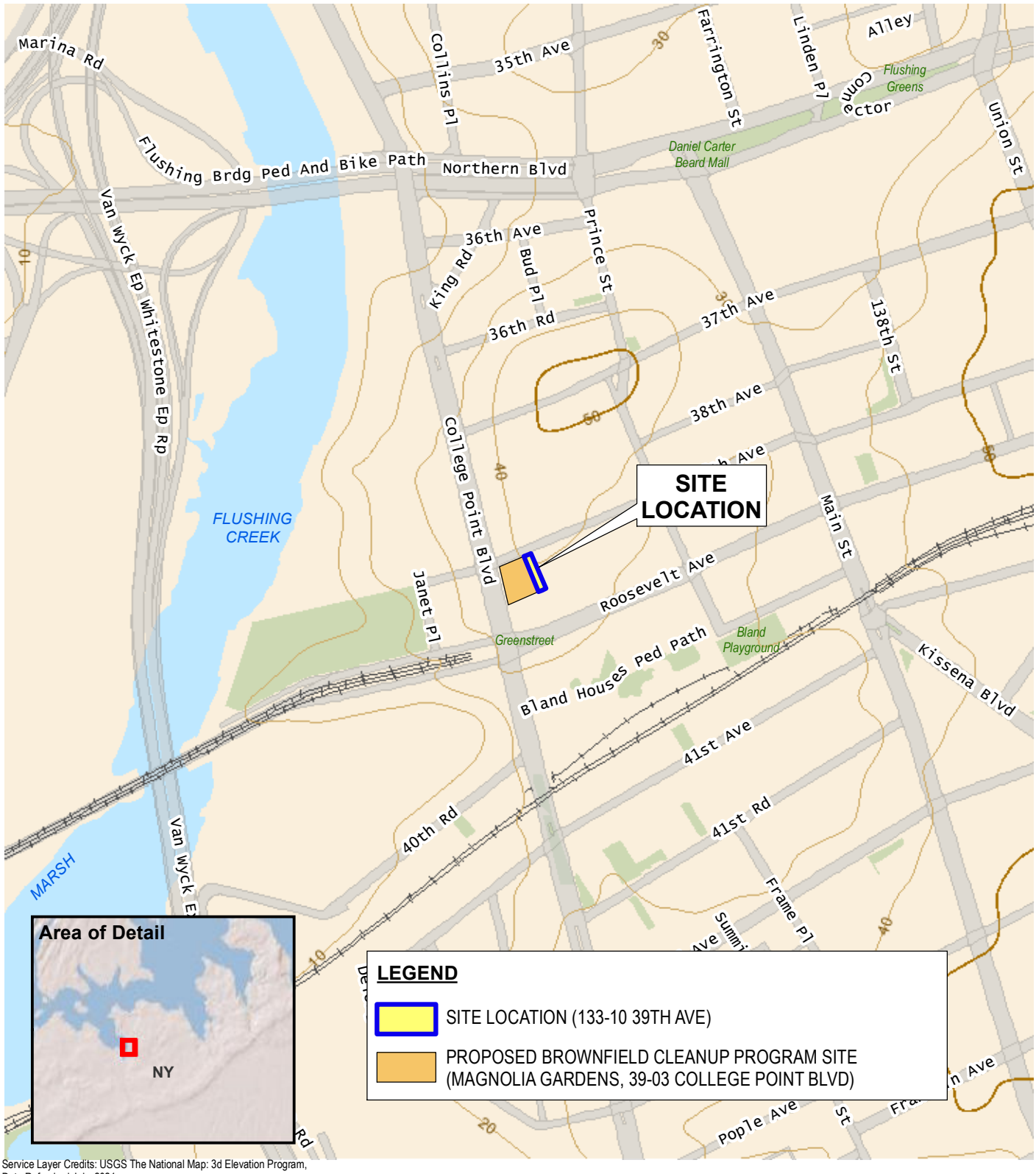
µg/m^3 : micrograms per cubic meter of air

STANDARDS

NYSDOH Soil Vapor Intrusion Air Guidance Value : New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE, August 2015 for TCE, and May 2017 for NYSDOH Matrices A, B, and C for PCE, TCE, c1,2-DCE, 1,1-DCE, carbon tetrachloride, 1,1,1-TCA, methylene chloride, and vinyl chloride. The matrix values listed are the sub-slab soil vapor concentration where mitigation is recommended regardless of the indoor air concentration.

Exceedances of NYSDOH AGVs are highlighted in bold font.
Exceedances of NYSDOH Matrix Values are highlighted in gray shading.

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021.

0 600 1,200

SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

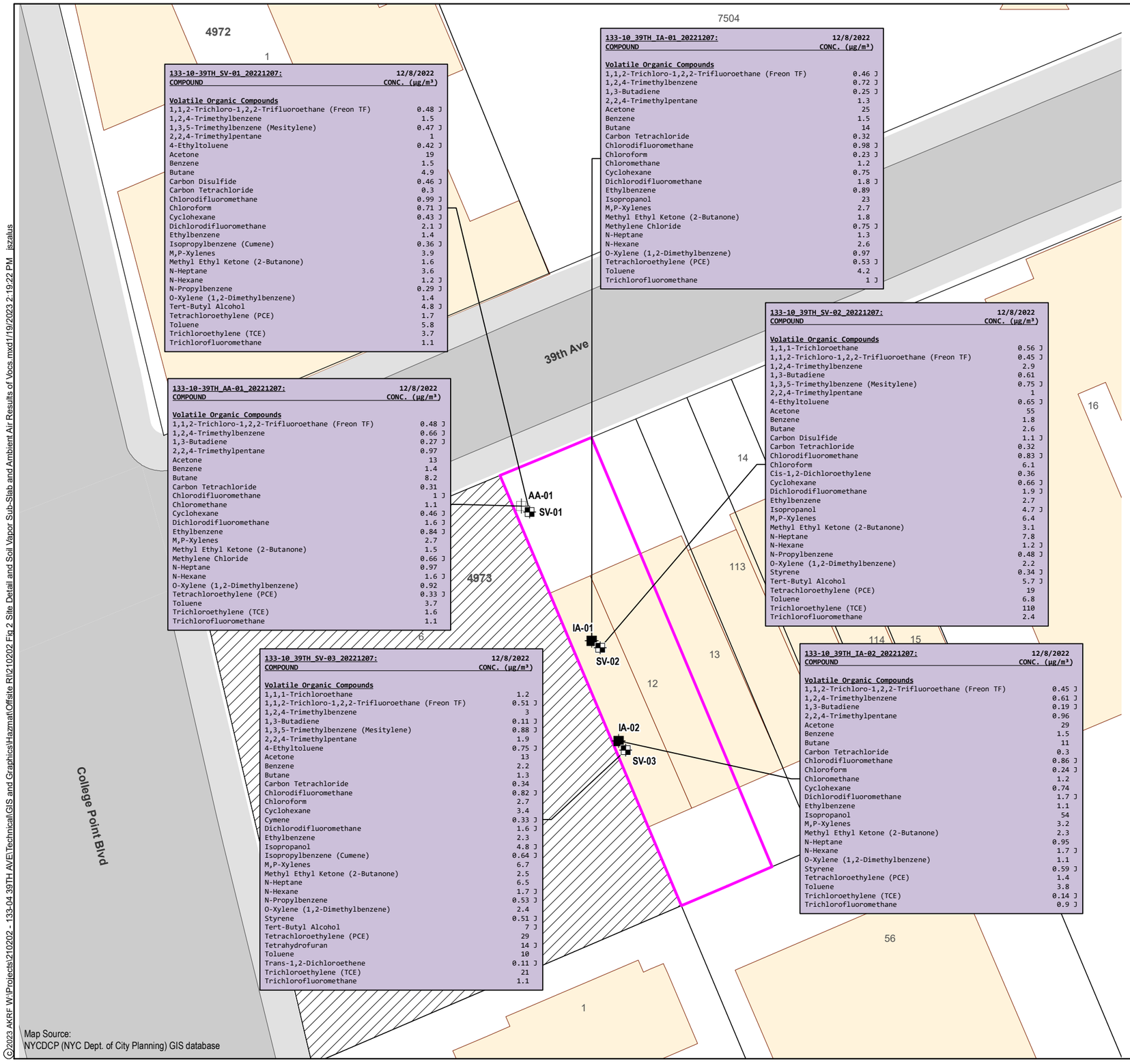
133-10 39th Avenue
Queens, New York

SITE LOCATION

DATE
1/17/2023

PROJECT NO.
210202

FIGURE
1



133-10-39TH_SV-01_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.48 J
1,2,4-Trimethylbenzene	1.5
1,3,5-Trimethylbenzene (Mesitylene)	0.47 J
2,2,4-Trimethylpentane	1
4-Ethyltoluene	0.42 J
Acetone	19
Benzene	1.5
Butane	4.9
Carbon Disulfide	0.46 J
Carbon Tetrachloride	0.3
Chlorodifluoromethane	0.99 J
Chloroform	0.71 J
Cyclohexane	0.43 J
Dichlorodifluoromethane	2.1 J
Ethylbenzene	1.4
Isopropylbenzene (Cumene)	0.36 J
M,P-Xylenes	3.9
Methyl Ethyl Ketone (2-Butanone)	1.6
N-Heptane	3.6
N-Hexane	1.2 J
N-Propylbenzene	0.29 J
O-Xylene (1,2-Dimethylbenzene)	1.4
Tert-Butyl Alcohol	4.8 J
Tetrachloroethylene (PCE)	1.7
Toluene	5.8
Trichloroethylene (TCE)	3.7
Trichlorofluoromethane	1.1

133-10_39TH_IA-01_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.46 J
1,2,4-Trimethylbenzene	0.72 J
1,3-Butadiene	0.25 J
2,2,4-Trimethylpentane	1.3
Acetone	25
Benzene	1.5
Butane	14
Carbon Tetrachloride	0.32
Chlorodifluoromethane	0.98 J
Chloroform	0.23 J
Chloromethane	1.2
Cyclohexane	0.75
Dichlorodifluoromethane	1.8 J
Ethylbenzene	0.89
Isopropanol	23
M,P-Xylenes	2.7
Methyl Ethyl Ketone (2-Butanone)	1.8
Methylene Chloride	0.75 J
N-Heptane	1.3
N-Hexane	2.6
O-Xylene (1,2-Dimethylbenzene)	0.97
Tetrachloroethylene (PCE)	0.53 J
Toluene	4.2
Trichlorofluoromethane	1 J

133-10_39TH_SV-02_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	0.56 J
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.45 J
1,2,4-Trimethylbenzene	2.9
1,3-Butadiene	0.61
1,3,5-Trimethylbenzene (Mesitylene)	0.75 J
2,2,4-Trimethylpentane	1
4-Ethyltoluene	0.65 J
Acetone	55
Benzene	1.8
Butane	2.6
Carbon Disulfide	1.1 J
Carbon Tetrachloride	0.32
Chlorodifluoromethane	0.83 J
Chloroform	6.1
Cis-1,2-Dichloroethylene	0.36
Cyclohexane	0.66 J
Dichlorodifluoromethane	1.9 J
Ethylbenzene	2.7
Isopropanol	4.7 J
M,P-Xylenes	6.4
Methyl Ethyl Ketone (2-Butanone)	3.1
N-Heptane	7.8
N-Hexane	1.2 J
N-Propylbenzene	0.48 J
O-Xylene (1,2-Dimethylbenzene)	2.2
Styrene	0.34 J
Tert-Butyl Alcohol	5.7 J
Tetrachloroethylene (PCE)	19
Toluene	6.8
Trichloroethylene (TCE)	110
Trichlorofluoromethane	2.4

133-10-39TH_AA-01_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.48 J
1,2,4-Trimethylbenzene	0.66 J
1,3-Butadiene	0.27 J
2,2,4-Trimethylpentane	0.97
Acetone	13
Benzene	1.4
Butane	8.2
Carbon Tetrachloride	0.31
Chlorodifluoromethane	1 J
Chloromethane	1.1
Cyclohexane	0.46 J
Dichlorodifluoromethane	1.6 J
Ethylbenzene	0.84 J
M,P-Xylenes	2.7
Methyl Ethyl Ketone (2-Butanone)	1.5
Methylene Chloride	0.66 J
N-Heptane	0.97
N-Hexane	1.6 J
O-Xylene (1,2-Dimethylbenzene)	0.92
Tetrachloroethylene (PCE)	0.33 J
Toluene	3.7
Trichloroethylene (TCE)	1.6
Trichlorofluoromethane	1.1

133-10_39TH_SV-03_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,1-Trichloroethane	1.2
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.51 J
1,2,4-Trimethylbenzene	3
1,3-Butadiene	0.11 J
1,3,5-Trimethylbenzene (Mesitylene)	0.88 J
2,2,4-Trimethylpentane	1.9
4-Ethyltoluene	0.75 J
Acetone	13
Benzene	2.2
Butane	1.3
Carbon Tetrachloride	0.34
Chlorodifluoromethane	0.82 J
Chloroform	2.7
Cyclohexane	3.4
Cymene	0.33 J
Dichlorodifluoromethane	1.6 J
Ethylbenzene	2.3
Isopropanol	4.8 J
Isopropylbenzene (Cumene)	0.64 J
M,P-Xylenes	6.7
Methyl Ethyl Ketone (2-Butanone)	2.5
N-Heptane	6.5
N-Hexane	1.7 J
N-Propylbenzene	0.53 J
O-Xylene (1,2-Dimethylbenzene)	2.4
Styrene	0.51 J
Tert-Butyl Alcohol	7 J
Tetrachloroethylene (PCE)	29
Tetrahydrofuran	14 J
Toluene	10
Trans-1,2-Dichloroethene	0.11 J
Trichloroethylene (TCE)	21
Trichlorofluoromethane	1.1

133-10_39TH_IA-02_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.45 J
1,2,4-Trimethylbenzene	0.61 J
1,3-Butadiene	0.19 J
2,2,4-Trimethylpentane	0.96
Acetone	29
Benzene	1.5
Butane	11
Carbon Tetrachloride	0.3
Chlorodifluoromethane	0.86 J
Chloroform	0.24 J
Chloromethane	1.2
Cyclohexane	0.74
Dichlorodifluoromethane	1.7 J
Ethylbenzene	1.1
Isopropanol	54
M,P-Xylenes	3.2
Methyl Ethyl Ketone (2-Butanone)	2.3
N-Heptane	0.95
N-Hexane	1.7 J
O-Xylene (1,2-Dimethylbenzene)	1.1
Styrene	0.59 J
Tetrachloroethylene (PCE)	1.4
Toluene	3.8
Trichloroethylene (TCE)	0.14 J
Trichlorofluoromethane	0.9 J

LEGEND

- SITE BOUNDARY
- PROPOSED BROWNFIELD CLEANUP PROGRAM SITE (MAGNOLIA GARDENS, 39-03 COLLEGE POINT BLVD)
- 12 — LOT BOUNDARY AND TAX LOT NUMBER
- 4973 — BLOCK NUMBER
- EXISTING BUILDING
- SUB-SLAB VAPOR POINT
- INDOOR AIR SAMPLE LOCATION
- AMBIENT AIR SAMPLE LOCATION

SOIL VAPOR

µg/m³- micrograms per cubic meter

J: The reported value is estimated.

Sample ID — Sample Date

133-10-39TH_AA-01_20221207: 12/8/2022

COMPOUND	CONC. (µg/m³)
Volatile Organic Compounds	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.48 J
1,2,4-Trimethylbenzene	0.66 J
1,3-Butadiene	0.27 J
2,2,4-Trimethylpentane	0.97
Acetone	13
Benzene	1.4
Butane	8.2
Carbon Tetrachloride	0.31
Chlorodifluoromethane	1 J
Chloromethane	1.1
Cyclohexane	0.46 J
Dichlorodifluoromethane	1.6 J
Ethylbenzene	0.84 J
M,P-Xylenes	2.7
Methyl Ethyl Ketone (2-Butanone)	1.5
Methylene Chloride	0.66 J
N-Heptane	0.97
N-Hexane	1.6 J
O-Xylene (1,2-Dimethylbenzene)	0.92
Tetrachloroethylene (PCE)	0.33 J
Toluene	3.7
Trichloroethylene (TCE)	1.6
Trichlorofluoromethane	1.1

Concentration

Analyte/Compound

0 15 30 60

SCALE IN FEET

Map Source:
NYCDCP (NYC Dept. of City Planning) GIS database

AKRF
440 Park Avenue South, New York, NY 10016

133-10 39th AVENUE
Queens, New York

SITE DETAIL AND SOIL VAPOR, SUB-SLAB, AND AMBIENT AIR RESULTS OF VOCS

DATE
1/19/2023

PROJECT NO.
210202

FIGURE
2

APPENDIX A

SIGNED ACCESS AGREEMENT

QUEENS HOUSING AND IMMIGRANT CENTER CORP.
c/o Asian Americans for Equality,
108 Norfolk Street
New York, New York 10002

October 18, 2022

VIA E-MAIL
39TH AVE REALTY MANAGEMENT LLC
133-10 39th Ave
Flushing, New York 11354

Re: 133-10 39th Avenue, Borough of Queens (Block 4973, Lot 12; hereafter the "Adjacent Premises")

Dear Steve Wei:

We are the owners and developers (the "Developer") of the premises located at 133-04 39th Avenue, Borough of Queens (Block 4973, Lot 6; hereafter the "Project Premises"), which is adjacent to the Adjacent Premises owned by your organization, 39TH AVE REALTY MANAGEMENT LLC (hereafter, the "Adjacent Owner"). As you know from prior communications, the Developer will be performing certain construction work at the Project Premises (the "Project"). Prior to the commencement of the Project, Developer requests access to the Adjacent Premises in order to perform an investigative survey and limited soil assessments (the "Investigative Survey") of the Adjacent Premises.

Adjacent Owner hereby grants Developer a limited non-transferable license to enter upon the Adjacent Premises solely to perform the Investigative Survey (the "License"). The License will commence upon the full execution of this letter agreement. The term of the License shall expire upon completion of the Investigative Survey, but in no event later than November 18, 2022. In this regard, Adjacent Owner shall provide Developer and its representatives access to the Adjacent Premises to perform the Investigative Survey beginning on October 24, 2022, provided, however, that Developer shall give Adjacent Owner no less than 24 hours notice of their intent to access the Adjacent Premises to begin the Investigative Survey. During the course of the Investigative Survey, the Developer and its contractors shall take commercially reasonable efforts to avoid interference to the maximum extent possible with Owner's occupancy of the Adjacent Premises.

For the avoidance of doubt, the License granted by this Letter Agreement **does not** permit installation of construction monitoring equipment, erection of construction protections, or access related to support of excavation activities at the Project Premises. It is our intention to seek access to your property for these necessary project components pursuant to **a separate access agreement**, a draft of which you should have already received from our representatives.

Rather, the License granted by **this letter agreement** does not permit any other type of access to the Adjacent Premises for any purpose other than to perform the Investigative Survey. This License will help us to make certain decisions regarding our project but will also, importantly, establish a "baseline" existing condition of your property – through photographic documentation – that can be referred to later on if needed.

SW

The Adjacent Owner, or any representatives designated in writing by Adjacent Owner, may attend the Investigative Survey, which will consist of two investigations: (i) a non-invasive Photo Survey of existing conditions throughout the Adjacent Premises; and (ii) a limitedly invasive Soil and Air Survey at the interior cellar level and exterior front yard area of the Adjacent Premises.

During the Photo Survey, Adjacent Owner shall cooperate to provide Developer reasonable access to all readily accessible areas of the Adjacent Premises for the purpose of conducting the Photo Survey, which is anticipated to take two total business days to complete. Adjacent Owner and any such representatives who elect to attend the Photo Survey agree to do so for observational purposes only and shall not impede and shall have no authority to independently or unilaterally direct the Photo Survey, provided, however, that Adjacent Owner shall be permitted to independently document through photographic evidence any condition of the Adjacent Premises that it, in its reasonable discretion, considers to be a condition commercially appropriate for documentation in a Photo Survey (such condition, an "Owner Identified Condition"). Developer shall provide Adjacent Owner with a draft of the Photo Survey report within ten (10) days of Developer's receipt of such report for Adjacent Owner's comment, which may include the addition of an Owner Identified Condition into the body of the report.

During the Soil and Air Survey, Adjacent Owner shall cooperate to provide Developer reasonable access to the interior cellar level and exterior front courtyard/stairwell area of the Adjacent Premises for the purpose of conducting the Soil and Air Survey, which is anticipated to take two total business days to complete. In conducting the Soil and Air Survey, Developer will first conduct a visual survey of the lowest occupied building level (i.e., the interior cellar level). Developer will then utilize a hammer drill with a concrete core attachment to collect two sub-slab vapor samples at the interior cellar level of the building at the Adjacent Premises, along with one sub-slab vapor sample from the front courtyard/stairwell area of the building at the Adjacent Premises. After making these limited penetrations sampling will be calibrated for collection over the ensuing 24 hours. Simultaneously, two indoor air samples will be collected (non-invasively) adjacent to the penetration locations, while one ambient air sample will be collected from the exterior front courtyard/stairwell area in similar fashion. The 24-hour sampling will require that sample collection canisters be placed at each sampling location, and allowed to remain at this location undisturbed for the duration of the sampling. At the completion of the Soil and Air Survey, the Developer shall immediately restore the Adjacent Premises to its condition that existed prior to the Investigative Survey, at its sole cost and expense, by filling the holes created by the hammer drill and capping the impacted area of the slab with like-kind material. Any other damage caused by the Investigative Survey shall be promptly restored/repaired/replaced at Developer's sole cost and expense following conclusion of the Investigative Survey.

Developer shall require its contractor(s) performing the Investigative Survey to maintain customary Commercial General Liability Insurance and Workers' Compensation Insurance for the duration of the Investigative Survey. Developer or its contractors performing the Investigative Survey shall include Adjacent Owner as an additional insureds under the commercial general liability insurance policy maintained by Developer or its contractor. By its execution here, the parties acknowledge that Developer has provided Adjacent Owner with a copy of a certificate of insurance demonstrating requisite commercial general liability policy and the inclusion of Adjacent Owner as additional insured thereunder.

SW

Developer agrees to indemnify, defend and hold harmless Adjacent Owner, and will cause its agents and contractors to indemnify, defend and hold harmless Adjacent Owner, from and against any and all causes of action, damages, claims, demands, judgments, liens, penalties, orders, or expenses, including reasonable attorney's fees, which may be asserted against or incurred by Adjacent Owner arising out of or to the extent caused by the Developer's, its representatives', or its agents or contractors' negligence in the course of their use of this License, including but not limited to any negligence resulting in bodily injury, sickness, disease or death, or injury to or destruction of tangible property, provided the foregoing actions are not arising out of Adjacent Owner's own gross negligence.

The parties hereby designate the following persons as their primary points of contact to coordinate the Investigative Survey: Developer designates Crystal Feng 646-832-6862. Adjacent Owner designates Ying Stephanie Wei (718)445-6308X112.

This letter agreement may be executed in any number of duplicate originals and each duplicate original be deemed to be an original. A facsimile or electronically scanned copy of this executed letter agreement shall be deemed an original copy.

If the terms set forth above are acceptable to Adjacent Owner, we ask that Adjacent Owner kindly sign this letter in the space indicated below and return the fully signed original to our address indicated on the first page. Each party warrants and represents that the person signing this letter agreement on its behalf has full authority and power to do so and to bind such party to the terms hereof. Upon Adjacent Owner's execution and return to us, this letter will constitute our agreement regarding the matters addressed herein. Please also keep a copy for Adjacent Owner's files.

Please do not hesitate to contact the undersigned should you have questions regarding any of the matters addressed herein.

Sincerely yours,

QUEENS HOUSING AND IMMIGRANT CENTER CORP.

By: _____

Name: Thomas Yu
Title: President

AGREED TO AND ACCEPTED BY:

39TH AVE REALTY MANAGEMENT LLC

By: _____

Name: STEVE WEI
Title: PARTNER

APPENDIX B

INDOOR AIR QUALITY (IAQ) QUESTIONNAIRE

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

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

Preparer's Name Celia Meyer Date/Time Prepared 12/07/2022

Preparer's Affiliation AKRF Phone No. 2153509943

Purpose of Investigation IAQ Survey

1. OCCUPANT:

Interviewed: Y / N

Last Name: Wei First Name: Ying

Address: 133-10 39th ave

County: Queens

Home Phone: 5164959785 Office Phone: 7184456308 x1120

Number of Occupants/persons at this location 40 Age of Occupants adults

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: _____

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Accounting Firm

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

Other characteristics:

Number of floors 3 (including basement) Building age 1980, 42 years

Is the building insulated? Y / N How air tight? Tight / Average* / Not Tight *does not know

4. AIRFLOW

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

Airflow between floors

Basement air flows up to first floor through stairwells, windows and air vents

Airflow near source

Minimal airflow, most airflow through HVAC system

Outdoor air infiltration

Outdoor air infiltration via doors/windows

Infiltration into air ducts

Air ducts not visible, do not have smoke kit to test infiltration

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

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

Basement/Lowest level depth below grade: __15__(feet)

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

Cracks in cement in southern end of basement near boilers (see photos)

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units (some window units)	Open Windows	None

Are there air distribution ducts present? Y / N

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

There are visible air vents along ceilings and a paneled ceiling. Air ducts are not visible.

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Accounting
1st Floor	Accounting
2nd Floor	Accounting
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

b. Does the garage have a separate heating unit? Y / N / NA

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify_____

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

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

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

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

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

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

j. Has painting/staining been done in the last 6 months? Y / N Where & When? Front wall outside, 3 months

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? Roof

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? Roof

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? 10/15 years ago

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

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

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

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

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

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

a. Provide reasons why relocation is recommended: _____

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

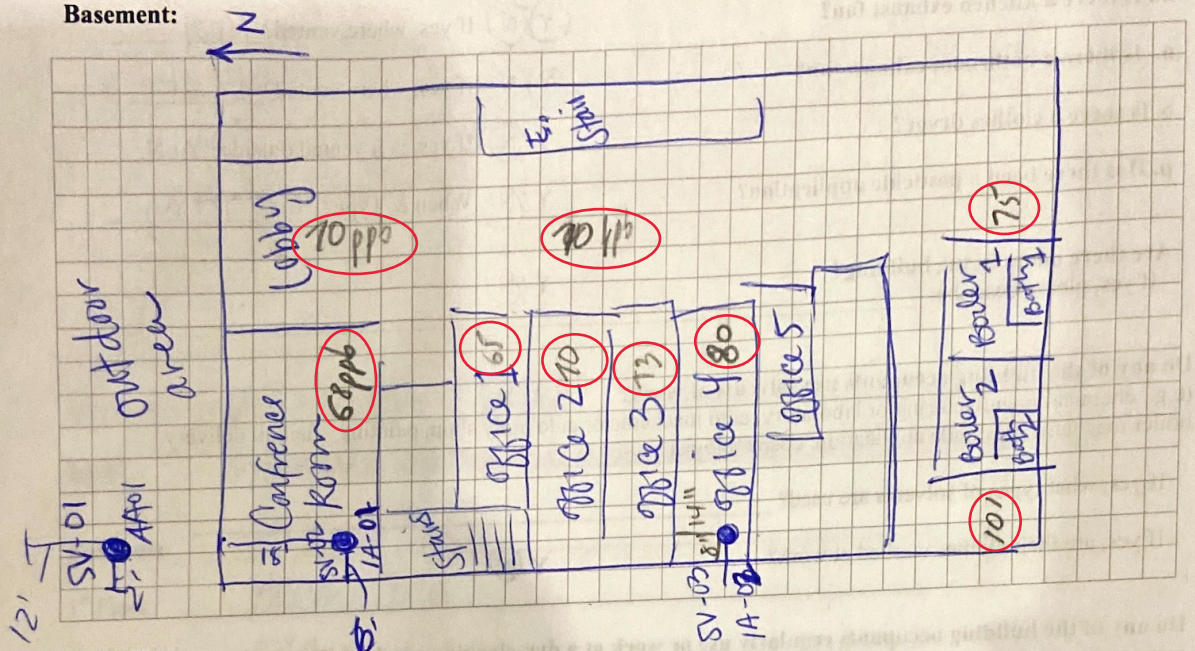
c. Responsibility for costs associated with reimbursement explained? Y / N

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

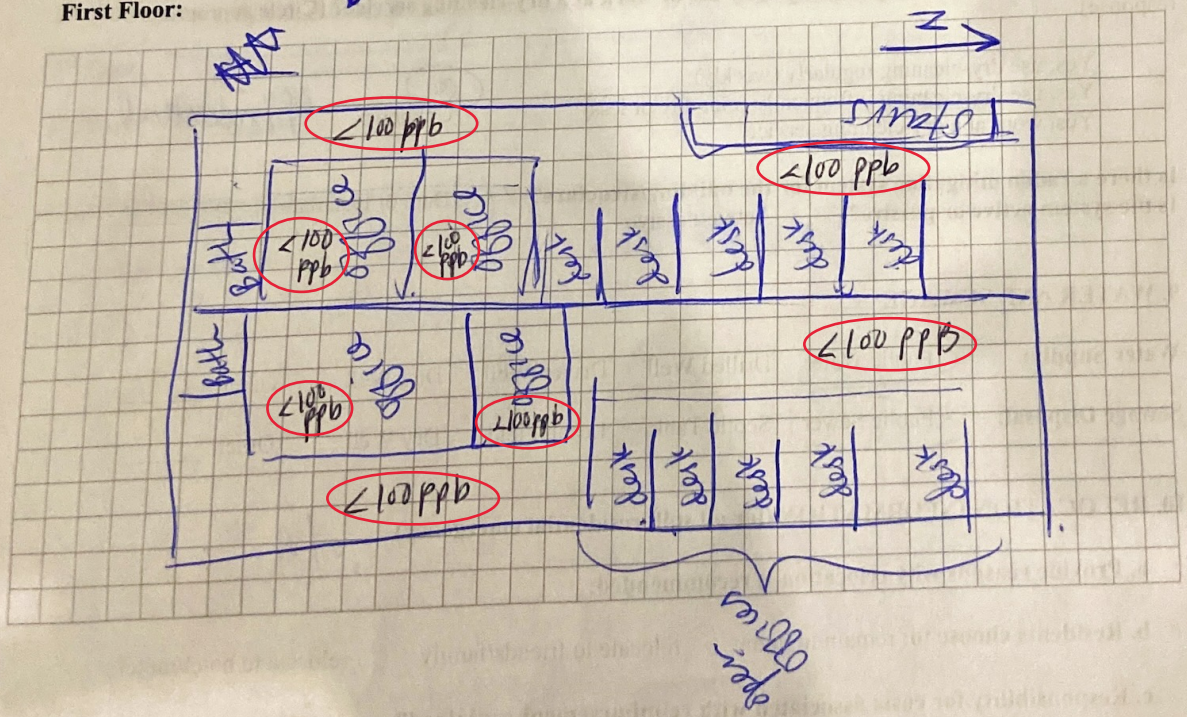
11. FLOOR PLANS

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

Basement:



First Floor:

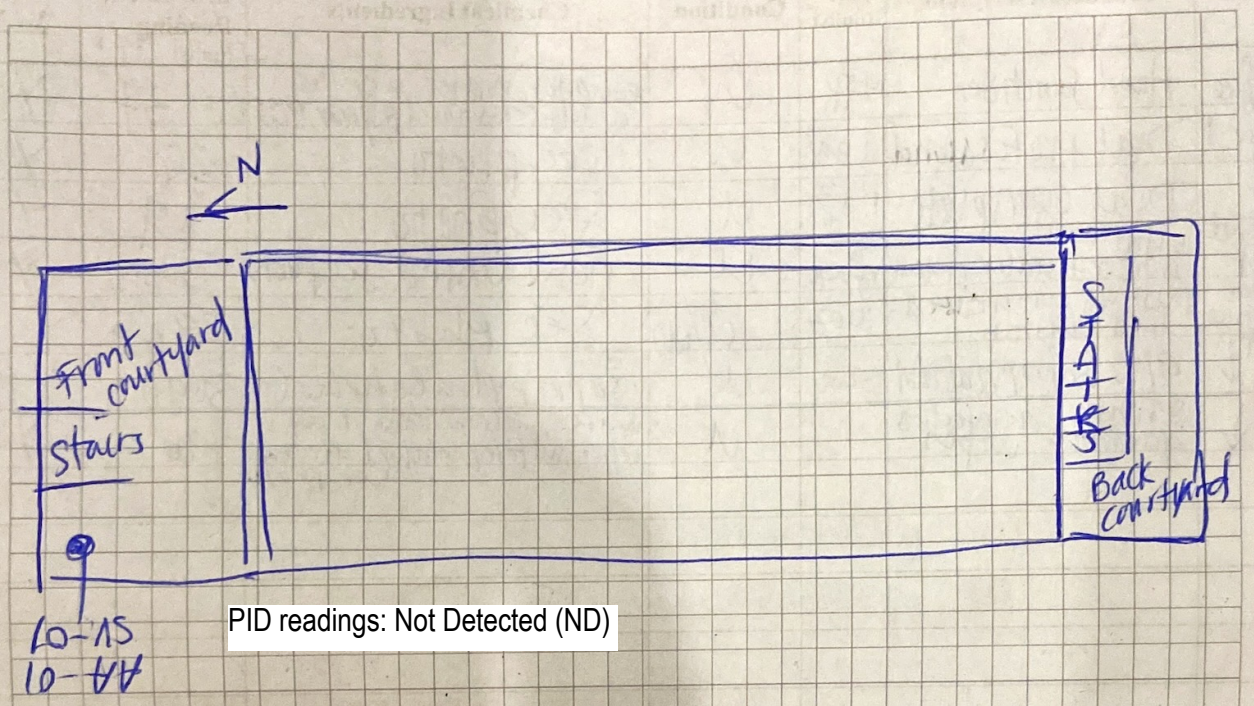


PID readings (circled in red) noted in parts per billion (ppb)

12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



PID readings: Not Detected (ND)

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPBRae 3000

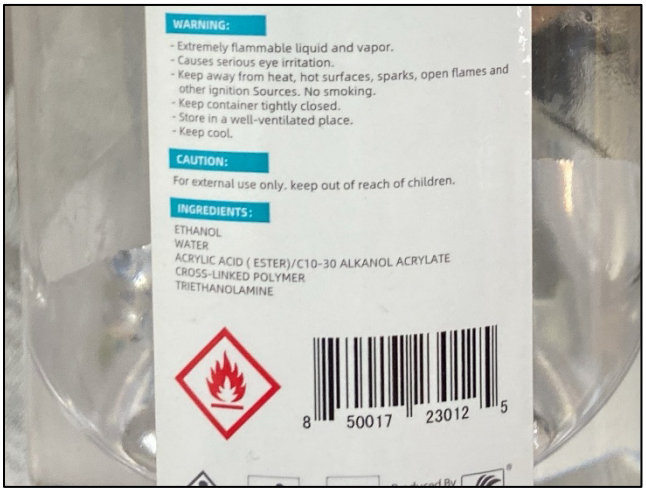
List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (ppb)	Photo** Y / N
Main Office	Jointown Hand Sanitizer	480 ml	U	ethanol, water, acrylic acid, cross linked polymer, triethanolamine	37	Y
Near Boiler 1	Dial Professional	1 gal	U	See photo	26	Y
Near Boiler 1	Dial Complete	1.53 liters	U	See photo	19	Y
Conference Rm. Closet	Vital Coat V-100 concrete sealer	5 gal	U	Water, water based solution co-polymer, acetic acid, formic acid	33	Y
Drawer in office #4	Dust-Off compressed gas duster	10 oz/x3	U/UO	1,1-difluoroethane	39	Y
Drawer in office #4	91% isopropyl alcohol	32 oz	U	isopropyl alcohol	3090	Y
Drawer in office #4	Seventh generation disinfectant wipes	1 lb 0.3 oz	U	water, sodium lauryl sulfate, copper sulfate pentahydrate, etc. (see photo)	196	Y

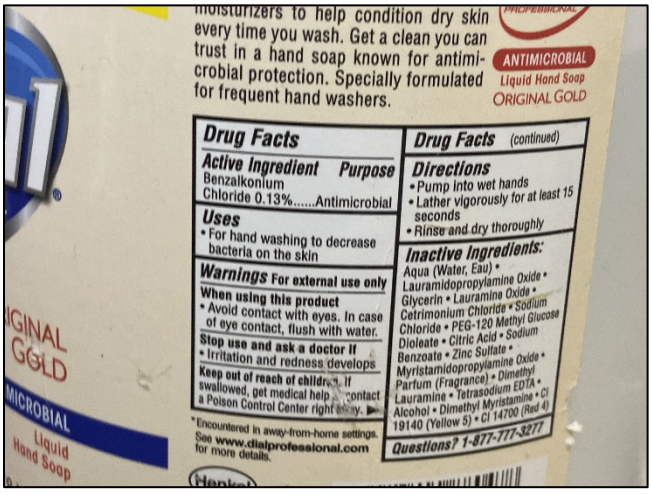
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must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

133-10 39th Avenue, Queens, NY

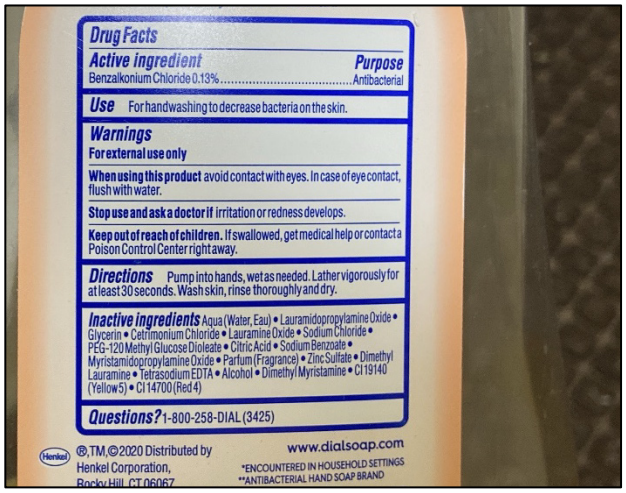
Sealed floor cracks in the southern portion of the building's basement near the boiler room.



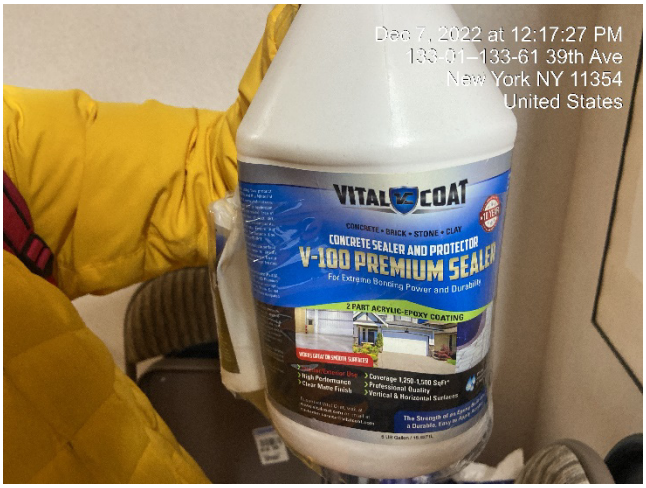
Jointown Hand Sanitizer ingredients



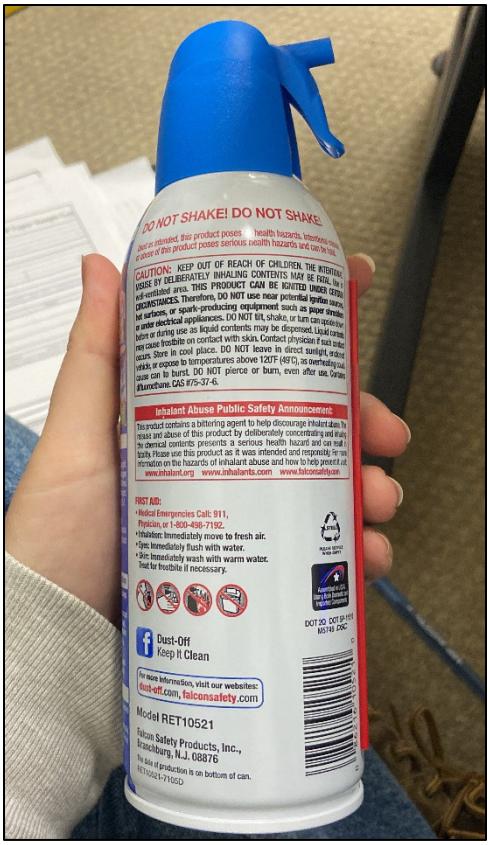
Dial Professional ingredients



Dial Complete ingredients

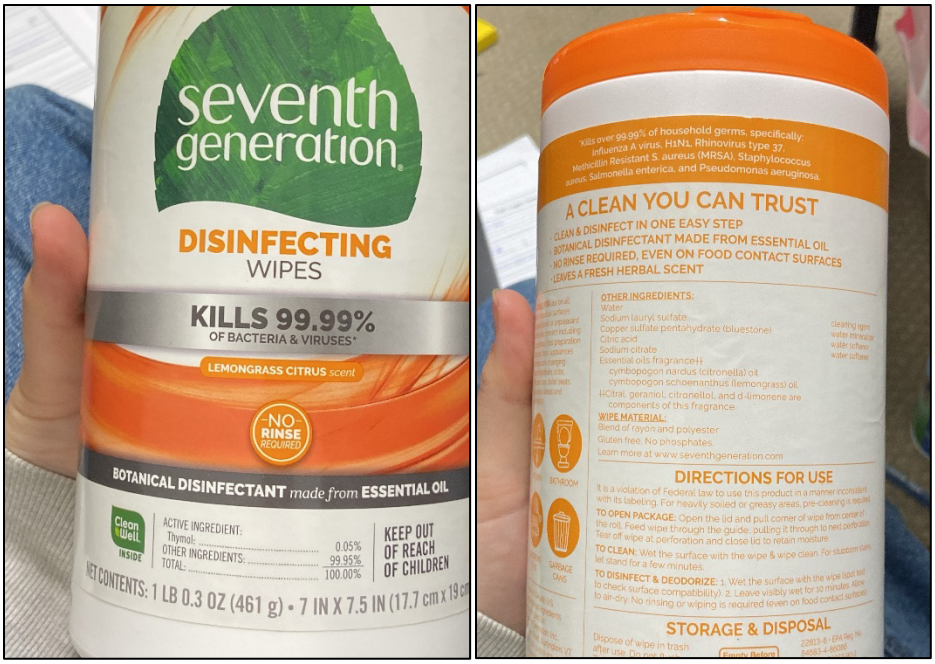


Vital Coat Concrete Sealer



Dust-Off Compressed Gas Duster

Isopropyl alcohol ingredients



Seventh Generation wipes ingredients

APPENDIX C
FIELD SAMPLING LOGS

Soil Vapor Sample Log

AKRF Project No:	210202	**Point Installed By:**	Cascade
Project Location:	133-10 39th Ave	**Installation Method:**	Hammer Drill
Client:	Magnolia Gardens Developer Inc.	**Sampled By:**	C. Meyer
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Vapor Point Depth:	**2**	Inches	**Total Time of Purge:**	10 minutes	
Purging Pump:	GilAir Plus		**Purge Volume:**	2 Liters	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	1.1	ppm
			Helium Concentration:	0.015	%

Sample Identification

Soil Vapor Point ID:	**SV-01**	**SUMMA® Canister ID:**	**5430**
Flow Controller ID:	**8731**	**Soil Vapor Sample ID:**	**133-10_39th_SV-01_20221207**

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**12:02 (12/7/22)**	**-30**	**ND**	Soil vapor point installed in concrete-paved front yard (protected from rain by an overhead ledge).
Time Halfway:	**10:25 (12/8/22)**	**-9**	**ND**	
Time Stopped:	**12:02 (12/8/22)**	**-7**	**ND**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute MPH = Miles per hour

Soil vapor sample 133-10_39th_SV-01_20221207 collected in a 6-L SUMMA® canister using a 24-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	210202	**Point Installed By:**	Cascade
Project Location:	133-10 39th Ave	**Installation Method:**	Hammer Drill
Client:	Magnolia Gardens Developer Inc.	**Sampled By:**	C. Meyer
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Vapor Point Depth:	**2**	Inches	**Total Time of Purge:**	10 minutes	
Purging Pump:	GilAir Plus		**Purge Volume:**	2 Liters	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	1.0	ppm
			Helium Concentration:	7.1	%

Sample Identification

Soil Vapor Point ID:	**SV-02**	**SUMMA® Canister ID:**	**3620**
Flow Controller ID:	**3384**	**Soil Vapor Sample ID:**	**133-10_39th_SV-02_20221207**

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**12:49 (12/7/22)**	**-30**	**77 ppb**	Soil vapor point installed in a conference room closet in the basement. Concrete sealer, previously stored in the closet, relocated and stored adjacent to the closet for the duration of sampling.
Time Halfway:	**10:27 (12/8/22)**	**-8.5**	**8 ppb**	
Time Stopped:	**12:49 (12/8/22)**	**-5.5**	**4 ppb**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million ppb = parts per billion L/min = Liters per minute MPH = Miles per hour

Soil vapor sample 133-10_39th_SV-02_20221207 collected in a 6-L SUMMA® canister using a 24-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	210202	**Point Installed By:**	Cascade
Project Location:	133-10 39th Ave	**Installation Method:**	Hammer Drill
Client:	Magnolia Gardens Developer Inc.	**Sampled By:**	C. Meyer
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Vapor Point Depth:	**2**	Inches	**Total Time of Purge:**	10 minutes	
Purging Pump:	GilAir Plus		**Purge Volume:**	2 Liters	
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	1.3	ppm
			Helium Concentration:	0.003	%

Sample Identification

Soil Vapor Point ID:	**SV-03**	**SUMMA® Canister ID:**	**6304**
Flow Controller ID:	**4529**	**Soil Vapor Sample ID:**	**133-10_39th_SV-03_20221207**

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	**13:42 (12/7/22)**	**-29**	**80 ppb**	Soil vapor point installed in an office in the basement. Chemical storage (sanitizer and compressed gas duster) noted in a drawer in this office.
Time Halfway:	**10:30 (12/8/22)**	**-7**	**37 ppb**	
Time Stopped:	**13:20 (12/8/22)**	**-5**	**24 ppb**	

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million ppb = parts per billion L/min = Liters per minute MPH = Miles per hour

Soil vapor sample 133-10_39th_SV-03_20221207 collected in a 6-L SUMMA® canister using a 24-hour flow controller.

Indoor Air Sample Log

AKRF Project No:	210202	**Client:**	Magnolia Gardens Developer Inc.
Location:	133-10 39th Ave, Queens, NY	**Sampled By:**	C. Meyer
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Sample Identification

On-Site Location:	IA-01	**SUMMA® Canister ID:**	9244
Flow Controller ID:	2994	**Indoor Air Sample ID:**	133-10_39th_IA-01_20221207

Sample Collection

Time		Vacuum (in/Hg)	Background PID (ppb)	Potential VOC Sources/Notes
Time Started:	12:50 (12/7/22)	-22	77	Sample collected in a conference room in the basement. Chemical storage (concrete sealer) noted in this conference room.
Time:				
Time Halfway:	14:39 (12/7/22)	-21	32	
Time:				
Time Stopped:	10:28 (12/8/22)	0	8	

Notes:	in/Hg = inches of mercury PID = photoionization detector ppb = parts per billion
	Indoor air sample 133-10_39th_IA-01_20221207 collected in 6-L SUMMA® canister using 24-hour flow controller.

Indoor Air Sample Log

AKRF Project No:	210202	**Client:**	Magnolia Gardens Developer Inc.
Location:	133-10 39th Ave, Queens, NY	**Sampled By:**	C. Meyer
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Sample Identification

On-Site Location:	IA-02	**SUMMA® Canister ID:**	9287
Flow Controller ID:	3064	**Indoor Air Sample ID:**	133-10_39th_IA-02_20221207

Sample Collection

Time		Vacuum (in/Hg)	Background PID (ppb)	Potential VOC Sources/Notes
Time Started:	13:42 (12/7/22)	-28	80	Sample collected in an office in the basement. Chemical storage (sanitizer and compressed gas duster) noted in a drawer in this office.
Time:				
Time Halfway:	10:30 (12/8/22)	-9	37	
Time:				
Time Stopped:	13:20 (12/8/22)	-6	24	

Notes:

in/Hg = inches of mercury PID = photoionization detector ppb = parts per billion

Indoor air sample 133-10_39th_IA-02_20221207 collected in 6-L SUMMA® canister using 24-hour flow controller.

Ambient Air Sample Log

AKRF Project No:	210202	**Client:**	Magnolia Gardens Developer Inc.
Location:	133-10 39th Ave, Queens, NY	**Sampled By:**	
Date:	12/7/2022	**Weather:**	57 F, Light Rain, Wind: Northerly, 6 MPH.

Sample Setup

Sample Identification

On-Site Location:	AA-01	**SUMMA® Canister ID:**	3275
Flow Controller ID:	4867	**Ambient Air Sample ID:**	133-10_39th_AA-01_20221207

Sample Collection

Time		Vacuum (in/Hg)	Background PID (ppb)	Potential VOC Sources/Notes
Time Started:	12:02 (12/7/22)	-22	ND	Sample collected from concrete-paved front yard (protected from rain by an overhead ledge).
Time:				
Time Halfway:	10:25 (12/8/22)	-12	ND	
Time:				
Time Stopped:	12:02 (12/8/22)	-11	ND	

Notes:

in/Hg = inches of mercury PID = photoionization detector ppb = parts per billion ND = not detected

Ambient air sample 133-10_39th_AA-01_20221207 collected in 6-L SUMMA® canister using 24-hr flow controller.

APPENDIX D

LABORATORY ANALYTICAL REPORT AND DATA USABILITY SUMMARY REPORT (DUSR)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Asya Bychkov
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

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JOB DESCRIPTION

133-10 39th Ave

JOB NUMBER

200-66118-1

Eurofins Burlington
530 Community Drive
Suite 11
South Burlington VT 05403

See page two for job notes and contact information.

Eurofins Burlington

Job Notes

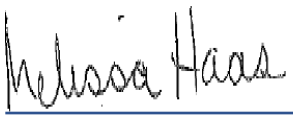
The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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.

Compliance Statement

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

Authorization



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Revision 1

Authorized for release by
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
(203)308-0880

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Definitions/Glossary

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

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.

Glossary

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

Job ID: 200-66118-1

Laboratory: Eurofins Burlington

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 133-10 39th Ave

Report Number: 200-66118-1
Revised Report #1

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

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

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

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

REVISED REPORT #1
The following report required a revision: 200-66118-1. Details are as follows: The narrative did not include the notation about the corrective action that the lab took to bring the pressure into range for sample 133-10-39TH_AA-01_20221207.

RECEIPT
The samples were received on 12/12/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions
During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: 133-10-39TH_AA-01_20221207. The associated flow controller was evaluated upon receipt and was found to be outside the acceptable flow range as compared to the original set flow rate. The residual vacuum for sample 200-66118-2 is above the working range. Clean nitrogen has been added to the sample to bring the pressure into range. Additional sample volume will be taken so there will be no change in the sample RL.

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

VOLATILE ORGANICS (AMBIENT AIR)
Samples 133-10-39TH_SV-01_20221207 (200-66118-1), 133-10-39TH_AA-01_20221207 (200-66118-2), 133-10_39TH_SV-02_20221207 (200-66118-3), 133-10_39TH_IA-01_20221207 (200-66118-4), 133-10_39TH_SV-03_20221207 (200-66118-5) and 133-10_39TH_IA-02_20221207 (200-66118-6) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 12/13/2022 and 12/14/2022.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10-39TH_SV-01_20221207 — Lab Sample ID: 200-66118-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.99	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
n-Butane	4.9		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.48	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	19		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.46	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	4.8	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.2	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.6		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.71	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.43	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.30		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.0		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	3.6		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.7		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	5.8		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.7		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.4		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.9		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	1.4		0.87	0.23	ug/m3	1		TO-15	Total/NA
Cumene	0.36	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.29	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.42	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.47	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.5		0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.43	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.28	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
n-Butane	2.0		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.063	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	7.9		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.15	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.6	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.34	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.55		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.14	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.12	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.047		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.22		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.49		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.88		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.68		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	1.5		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.25		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.33		0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.91		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.33		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Cumene	0.073	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10-39TH_SV-01_20221207 (Continued) — Lab Sample ID: 200-66118-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Propylbenzene	0.059	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.085	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.096	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.30		0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: 133-10-39TH_AA-01_20221207 — Lab Sample ID: 200-66118-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.6	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.0	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	8.2		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.27	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.48	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	13		12	3.8	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.66	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	1.6	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.5		1.5	1.4	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.46	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.31		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.97		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.4		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.97		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	1.6		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	3.7		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.33	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.84	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.7		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.92		0.87	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.66	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.33	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.28	J	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	3.5		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.12	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.063	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
Methylene Chloride	0.19	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.45	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.49		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.13	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.049		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.21		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.44		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.24		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.30		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	0.99		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.048	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10-39TH_AA-01_20221207 (Continued) — Lab Sample ID: 200-66118-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.19	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.62		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.21		0.20	0.052	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

Client Sample ID: 133-10_39TH_SV-02_20221207 — Lab Sample ID: 200-66118-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.83	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
n-Butane	2.6		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.61		0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.4		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.45	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	55		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	4.7	J	12	3.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.1	J	1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	5.7	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	1.2	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.1		1.5	1.4	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.36		0.20	0.083	ug/m3	1		TO-15	Total/NA
Chloroform	6.1		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.56	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.66	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.32		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.0		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.8		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	7.8		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	110		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	6.8		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	19		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.7		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	6.4		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	2.2		0.87	0.23	ug/m3	1		TO-15	Total/NA
Styrene	0.34	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.48	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.65	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.75	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.9		0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.37	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.23	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
n-Butane	1.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.28		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.43		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.058	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	23		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.9	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.36	J	0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.9	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.35	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10_39TH_SV-02_20221207 (Continued) — Lab Sample ID: 200-66118-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Ethyl Ketone (2-Butanone)	1.1		0.50	0.49	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.090		0.050	0.021	ppb v/v	1		TO-15	Total/NA
Chloroform	1.2		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.10	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.19	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.051		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.22		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.56		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	1.9		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	21		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	1.8		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	2.8		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.62		0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.5		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.52		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Styrene	0.080	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.098	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.13	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.15	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.58		0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: 133-10_39TH_IA-01_20221207 — Lab Sample ID: 200-66118-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.8	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.98	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	14		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.25	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.46	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	25		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	23		12	3.9	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.75	J	1.7	0.63	ug/m3	1		TO-15	Total/NA
n-Hexane	2.6		1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.8		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.23	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.75		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.32		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.3		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	1.3		0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	4.2		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.53	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.89		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	2.7		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	0.97		0.87	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.72	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.37	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.28	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10_39TH_IA-01_20221207 (Continued) — Lab Sample ID: 200-66118-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.56		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	6.0		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.11	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.061	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	10		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	9.2		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.22	J	0.50	0.18	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.73		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.60		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.048	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.22		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.051		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.28		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.46		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.32		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Toluene	1.1		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.079	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.20		0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.63		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.22		0.20	0.052	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.15	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

Client Sample ID: 133-10_39TH_SV-03_20221207 — Lab Sample ID: 200-66118-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.6	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.82	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
n-Butane	1.3		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.11	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.51	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	4.8	J	12	3.9	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	7.0	J	15	3.6	ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.11	J	0.79	0.091	ug/m3	1		TO-15	Total/NA
n-Hexane	1.7	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.5		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	2.7		0.98	0.20	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	14	J	15	3.8	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.2		1.1	0.24	ug/m3	1		TO-15	Total/NA
Cyclohexane	3.4		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.34		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.9		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	2.2		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	6.5		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	21		0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	10		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	29		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.3		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	6.7		2.2	0.41	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10_39TH_SV-03_20221207 (Continued) — Lab Sample ID: 200-66118-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	2.4		0.87	0.23	ug/m3	1		TO-15	Total/NA
Styrene	0.51	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.64	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.53	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	0.88	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.0		0.98	0.39	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.33	J	1.1	0.33	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.32	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.23	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
n-Butane	0.53		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.051	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19		0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.067	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	5.5		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	2.0	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.3	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
trans-1,2-Dichloroethene	0.027	J	0.20	0.023	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.49	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.84		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.55		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	4.7	J	5.0	1.3	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.21		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.98		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.054		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.41		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.70		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	1.6		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	3.8		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	2.6		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	4.3		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.53		0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.5		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.55		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Styrene	0.12	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.13	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.11	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	0.18	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.61		0.20	0.080	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.061	J	0.20	0.061	ppb v/v	1		TO-15	Total/NA

Client Sample ID: 133-10_39TH_IA-02_20221207 — Lab Sample ID: 200-66118-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.7	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.86	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.31	ug/m3	1		TO-15	Total/NA
n-Butane	11		1.2	0.48	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.19	J	0.44	0.086	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 133-10_39TH_IA-02_20221207 (Continued)

Lab Sample ID: 200-66118-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	0.90	J	1.1	0.28	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.45	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
Acetone	29		12	3.8	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	54		12	3.9	ug/m3	1		TO-15	Total/NA
n-Hexane	1.7	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.3		1.5	1.4	ug/m3	1		TO-15	Total/NA
Chloroform	0.24	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.74		0.69	0.20	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.30		0.22	0.14	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.96		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	0.95		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.14	J	0.20	0.13	ug/m3	1		TO-15	Total/NA
Toluene	3.8		0.75	0.16	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.4		1.4	0.14	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.1		0.87	0.23	ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.2		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	1.1		0.87	0.23	ug/m3	1		TO-15	Total/NA
Styrene	0.59	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.61	J	0.98	0.39	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.34	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.24	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.56		0.50	0.15	ppb v/v	1		TO-15	Total/NA
n-Butane	4.6		0.50	0.20	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.088	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.16	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.058	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
Acetone	12		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	22		5.0	1.6	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.49	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.79		0.50	0.49	ppb v/v	1		TO-15	Total/NA
Chloroform	0.049	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.22		0.20	0.058	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.21		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.46		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.23		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.025	J	0.037	0.025	ppb v/v	1		TO-15	Total/NA
Toluene	1.0		0.20	0.042	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.20		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.24		0.20	0.052	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.73		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.26		0.20	0.052	ppb v/v	1		TO-15	Total/NA
Styrene	0.14	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.12	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10-39TH_SV-01_20221207
Lab Sample ID: 200-66118-1
Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.54	ug/m3			12/13/22 13:16	1
Chlorodifluoromethane	**0.99**	**J**	1.8	0.42	ug/m3			12/13/22 13:16	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 13:16	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			12/13/22 13:16	1
n-Butane	**4.9**		1.2	0.48	ug/m3			12/13/22 13:16	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 13:16	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			12/13/22 13:16	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 13:16	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 13:16	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 13:16	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			12/13/22 13:16	1
1,1,2-Trichlorotrifluoroethane	**0.48**	**J**	1.5	0.41	ug/m3			12/13/22 13:16	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 13:16	1
Acetone	**19**		12	3.8	ug/m3			12/13/22 13:16	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			12/13/22 13:16	1
Carbon disulfide	**0.46**	**J**	1.6	0.40	ug/m3			12/13/22 13:16	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 13:16	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/13/22 13:16	1
tert-Butyl alcohol	**4.8**	**J**	15	3.6	ug/m3			12/13/22 13:16	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 13:16	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/22 13:16	1
n-Hexane	**1.2**	**J**	1.8	0.39	ug/m3			12/13/22 13:16	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 13:16	1
Methyl Ethyl Ketone (2-Butanone)	**1.6**		1.5	1.4	ug/m3			12/13/22 13:16	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/22 13:16	1
Chloroform	**0.71**	**J**	0.98	0.20	ug/m3			12/13/22 13:16	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/13/22 13:16	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/13/22 13:16	1
Cyclohexane	**0.43**	**J**	0.69	0.20	ug/m3			12/13/22 13:16	1
Carbon tetrachloride	**0.30**		0.22	0.14	ug/m3			12/13/22 13:16	1
2,2,4-Trimethylpentane	**1.0**		0.93	0.18	ug/m3			12/13/22 13:16	1
Benzene	**1.5**		0.64	0.14	ug/m3			12/13/22 13:16	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 13:16	1
n-Heptane	**3.6**		0.82	0.23	ug/m3			12/13/22 13:16	1
Trichloroethene	**3.7**		0.20	0.13	ug/m3			12/13/22 13:16	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 13:16	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 13:16	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 13:16	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 13:16	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 13:16	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 13:16	1
Toluene	**5.8**		0.75	0.16	ug/m3			12/13/22 13:16	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 13:16	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 13:16	1
Tetrachloroethene	**1.7**		1.4	0.14	ug/m3			12/13/22 13:16	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 13:16	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 13:16	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 13:16	1

Client Sample ID: 133-10-39TH_SV-01_20221207 **Lab Sample ID: 200-66118-1**
Date Collected: 12/08/22 12:02 **Matrix: Air**
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 13:16	1
Ethylbenzene	**1.4**		0.87	0.23	ug/m3			12/13/22 13:16	1
m,p-Xylene	**3.9**		2.2	0.41	ug/m3			12/13/22 13:16	1
o-Xylene	**1.4**		0.87	0.23	ug/m3			12/13/22 13:16	1
Styrene	0.85	U	0.85	0.25	ug/m3			12/13/22 13:16	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 13:16	1
Cumene	**0.36**	**J**	0.98	0.20	ug/m3			12/13/22 13:16	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 13:16	1
n-Propylbenzene	**0.29**	**J**	0.98	0.23	ug/m3			12/13/22 13:16	1
4-Ethyltoluene	**0.42**	**J**	0.98	0.24	ug/m3			12/13/22 13:16	1
1,3,5-Trimethylbenzene	**0.47**	**J**	0.98	0.23	ug/m3			12/13/22 13:16	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 13:16	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 13:16	1
1,2,4-Trimethylbenzene	**1.5**		0.98	0.39	ug/m3			12/13/22 13:16	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 13:16	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/13/22 13:16	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 13:16	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 13:16	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 13:16	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 13:16	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 13:16	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 13:16	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 13:16	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 13:16	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.43**	**J**	0.50	0.11	ppb v/v			12/13/22 13:16	1
Chlorodifluoromethane	**0.28**	**J**	0.50	0.12	ppb v/v			12/13/22 13:16	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 13:16	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			12/13/22 13:16	1
n-Butane	**2.0**		0.50	0.20	ppb v/v			12/13/22 13:16	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 13:16	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			12/13/22 13:16	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 13:16	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 13:16	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 13:16	1
Trichlorofluoromethane	**0.19**		0.20	0.050	ppb v/v			12/13/22 13:16	1
1,1,2-Trichlorotrifluoroethane	**0.063**	**J**	0.20	0.053	ppb v/v			12/13/22 13:16	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 13:16	1
Acetone	**7.9**		5.0	1.6	ppb v/v			12/13/22 13:16	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			12/13/22 13:16	1
Carbon disulfide	**0.15**	**J**	0.50	0.13	ppb v/v			12/13/22 13:16	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 13:16	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/13/22 13:16	1
tert-Butyl alcohol	**1.6**	**J**	5.0	1.2	ppb v/v			12/13/22 13:16	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 13:16	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/22 13:16	1
n-Hexane	**0.34**	**J**	0.50	0.11	ppb v/v			12/13/22 13:16	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 13:16	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10-39TH_SV-01_20221207
Date Collected: 12/08/22 12:02
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-66118-1
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**0.55**		0.50	0.49	ppb v/v			12/13/22 13:16	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/22 13:16	1
Chloroform	**0.14**	**J**	0.20	0.041	ppb v/v			12/13/22 13:16	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/13/22 13:16	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/13/22 13:16	1
Cyclohexane	**0.12**	**J**	0.20	0.058	ppb v/v			12/13/22 13:16	1
Carbon tetrachloride	**0.047**		0.035	0.022	ppb v/v			12/13/22 13:16	1
2,2,4-Trimethylpentane	**0.22**		0.20	0.038	ppb v/v			12/13/22 13:16	1
Benzene	**0.49**		0.20	0.044	ppb v/v			12/13/22 13:16	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 13:16	1
n-Heptane	**0.88**		0.20	0.055	ppb v/v			12/13/22 13:16	1
Trichloroethene	**0.68**		0.037	0.025	ppb v/v			12/13/22 13:16	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 13:16	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 13:16	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 13:16	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 13:16	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 13:16	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 13:16	1
Toluene	**1.5**		0.20	0.042	ppb v/v			12/13/22 13:16	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 13:16	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 13:16	1
Tetrachloroethene	**0.25**		0.20	0.021	ppb v/v			12/13/22 13:16	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 13:16	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 13:16	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 13:16	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 13:16	1
Ethylbenzene	**0.33**		0.20	0.052	ppb v/v			12/13/22 13:16	1
m,p-Xylene	**0.91**		0.50	0.095	ppb v/v			12/13/22 13:16	1
o-Xylene	**0.33**		0.20	0.052	ppb v/v			12/13/22 13:16	1
Styrene	0.20	U	0.20	0.059	ppb v/v			12/13/22 13:16	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 13:16	1
Cumene	**0.073**	**J**	0.20	0.041	ppb v/v			12/13/22 13:16	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 13:16	1
n-Propylbenzene	**0.059**	**J**	0.20	0.047	ppb v/v			12/13/22 13:16	1
4-Ethyltoluene	**0.085**	**J**	0.20	0.049	ppb v/v			12/13/22 13:16	1
1,3,5-Trimethylbenzene	**0.096**	**J**	0.20	0.047	ppb v/v			12/13/22 13:16	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 13:16	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 13:16	1
1,2,4-Trimethylbenzene	**0.30**		0.20	0.080	ppb v/v			12/13/22 13:16	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 13:16	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/13/22 13:16	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 13:16	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 13:16	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 13:16	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 13:16	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 13:16	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 13:16	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 13:16	1

Client Sample ID: 133-10-39TH_SV-01_20221207

Lab Sample ID: 200-66118-1

Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/13/22 13:16	1

Client Sample ID: 133-10-39TH_AA-01_20221207

Lab Sample ID: 200-66118-2

Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.6**	**J**	2.5	0.54	ug/m3			12/13/22 14:08	1
Chlorodifluoromethane	**1.0**	**J**	1.8	0.42	ug/m3			12/13/22 14:08	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 14:08	1
Chloromethane	**1.1**		1.0	0.31	ug/m3			12/13/22 14:08	1
n-Butane	**8.2**		1.2	0.48	ug/m3			12/13/22 14:08	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 14:08	1
1,3-Butadiene	**0.27**	**J**	0.44	0.086	ug/m3			12/13/22 14:08	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 14:08	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 14:08	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 14:08	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			12/13/22 14:08	1
1,1,2-Trichlorotrifluoroethane	**0.48**	**J**	1.5	0.41	ug/m3			12/13/22 14:08	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 14:08	1
Acetone	**13**		12	3.8	ug/m3			12/13/22 14:08	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			12/13/22 14:08	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			12/13/22 14:08	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 14:08	1
Methylene Chloride	**0.66**	**J**	1.7	0.63	ug/m3			12/13/22 14:08	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			12/13/22 14:08	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 14:08	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/22 14:08	1
n-Hexane	**1.6**	**J**	1.8	0.39	ug/m3			12/13/22 14:08	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 14:08	1
Methyl Ethyl Ketone (2-Butanone)	**1.5**		1.5	1.4	ug/m3			12/13/22 14:08	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/22 14:08	1
Chloroform	0.98	U	0.98	0.20	ug/m3			12/13/22 14:08	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/13/22 14:08	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/13/22 14:08	1
Cyclohexane	**0.46**	**J**	0.69	0.20	ug/m3			12/13/22 14:08	1
Carbon tetrachloride	**0.31**		0.22	0.14	ug/m3			12/13/22 14:08	1
2,2,4-Trimethylpentane	**0.97**		0.93	0.18	ug/m3			12/13/22 14:08	1
Benzene	**1.4**		0.64	0.14	ug/m3			12/13/22 14:08	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 14:08	1
n-Heptane	**0.97**		0.82	0.23	ug/m3			12/13/22 14:08	1
Trichloroethene	**1.6**		0.20	0.13	ug/m3			12/13/22 14:08	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 14:08	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 14:08	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 14:08	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 14:08	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 14:08	1

Client Sample ID: 133-10-39TH_AA-01_20221207
Lab Sample ID: 200-66118-2
Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 14:08	1
Toluene	**3.7**		0.75	0.16	ug/m3			12/13/22 14:08	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 14:08	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 14:08	1
Tetrachloroethene	**0.33**	**J**	1.4	0.14	ug/m3			12/13/22 14:08	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 14:08	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 14:08	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 14:08	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 14:08	1
Ethylbenzene	**0.84**	**J**	0.87	0.23	ug/m3			12/13/22 14:08	1
m,p-Xylene	**2.7**		2.2	0.41	ug/m3			12/13/22 14:08	1
o-Xylene	**0.92**		0.87	0.23	ug/m3			12/13/22 14:08	1
Styrene	0.85	U	0.85	0.25	ug/m3			12/13/22 14:08	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 14:08	1
Cumene	0.98	U	0.98	0.20	ug/m3			12/13/22 14:08	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 14:08	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 14:08	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			12/13/22 14:08	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 14:08	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 14:08	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 14:08	1
1,2,4-Trimethylbenzene	**0.66**	**J**	0.98	0.39	ug/m3			12/13/22 14:08	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 14:08	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/13/22 14:08	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 14:08	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 14:08	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 14:08	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 14:08	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 14:08	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 14:08	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 14:08	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 14:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.33**	**J**	0.50	0.11	ppb v/v			12/13/22 14:08	1
Chlorodifluoromethane	**0.28**	**J**	0.50	0.12	ppb v/v			12/13/22 14:08	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 14:08	1
Chloromethane	**0.52**		0.50	0.15	ppb v/v			12/13/22 14:08	1
n-Butane	**3.5**		0.50	0.20	ppb v/v			12/13/22 14:08	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 14:08	1
1,3-Butadiene	**0.12**	**J**	0.20	0.039	ppb v/v			12/13/22 14:08	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 14:08	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 14:08	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 14:08	1
Trichlorofluoromethane	**0.19**		0.20	0.050	ppb v/v			12/13/22 14:08	1
1,1,2-Trichlorotrifluoroethane	**0.063**	**J**	0.20	0.053	ppb v/v			12/13/22 14:08	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 14:08	1
Acetone	**5.4**		5.0	1.6	ppb v/v			12/13/22 14:08	1

Client Sample ID: 133-10-39TH_AA-01_20221207
Lab Sample ID: 200-66118-2
Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			12/13/22 14:08	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			12/13/22 14:08	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 14:08	1
Methylene Chloride	**0.19**	**J**	0.50	0.18	ppb v/v			12/13/22 14:08	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			12/13/22 14:08	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 14:08	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/22 14:08	1
n-Hexane	**0.45**	**J**	0.50	0.11	ppb v/v			12/13/22 14:08	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 14:08	1
Methyl Ethyl Ketone (2-Butanone)	**0.49**		0.50	0.49	ppb v/v			12/13/22 14:08	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/22 14:08	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			12/13/22 14:08	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/13/22 14:08	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/13/22 14:08	1
Cyclohexane	**0.13**	**J**	0.20	0.058	ppb v/v			12/13/22 14:08	1
Carbon tetrachloride	**0.049**		0.035	0.022	ppb v/v			12/13/22 14:08	1
2,2,4-Trimethylpentane	**0.21**		0.20	0.038	ppb v/v			12/13/22 14:08	1
Benzene	**0.44**		0.20	0.044	ppb v/v			12/13/22 14:08	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 14:08	1
n-Heptane	**0.24**		0.20	0.055	ppb v/v			12/13/22 14:08	1
Trichloroethene	**0.30**		0.037	0.025	ppb v/v			12/13/22 14:08	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 14:08	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 14:08	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 14:08	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 14:08	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 14:08	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 14:08	1
Toluene	**0.99**		0.20	0.042	ppb v/v			12/13/22 14:08	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 14:08	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 14:08	1
Tetrachloroethene	**0.048**	**J**	0.20	0.021	ppb v/v			12/13/22 14:08	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 14:08	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 14:08	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 14:08	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 14:08	1
Ethylbenzene	**0.19**	**J**	0.20	0.052	ppb v/v			12/13/22 14:08	1
m,p-Xylene	**0.62**		0.50	0.095	ppb v/v			12/13/22 14:08	1
o-Xylene	**0.21**		0.20	0.052	ppb v/v			12/13/22 14:08	1
Styrene	0.20	U	0.20	0.059	ppb v/v			12/13/22 14:08	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 14:08	1
Cumene	0.20	U	0.20	0.041	ppb v/v			12/13/22 14:08	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 14:08	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 14:08	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			12/13/22 14:08	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 14:08	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 14:08	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 14:08	1
1,2,4-Trimethylbenzene	**0.13**	**J**	0.20	0.080	ppb v/v			12/13/22 14:08	1

Client Sample ID: 133-10-39TH_AA-01_20221207

Lab Sample ID: 200-66118-2

Date Collected: 12/08/22 12:02
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 14:08	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/13/22 14:08	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 14:08	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 14:08	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 14:08	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 14:08	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 14:08	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 14:08	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 14:08	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/13/22 14:08	1

Client Sample ID: 133-10_39TH_SV-02_20221207

Lab Sample ID: 200-66118-3

Date Collected: 12/08/22 12:49
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.9**	**J**	2.5	0.54	ug/m3			12/13/22 18:30	1
Chlorodifluoromethane	**0.83**	**J**	1.8	0.42	ug/m3			12/13/22 18:30	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 18:30	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			12/13/22 18:30	1
n-Butane	**2.6**		1.2	0.48	ug/m3			12/13/22 18:30	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 18:30	1
1,3-Butadiene	**0.61**		0.44	0.086	ug/m3			12/13/22 18:30	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 18:30	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 18:30	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 18:30	1
Trichlorofluoromethane	**2.4**		1.1	0.28	ug/m3			12/13/22 18:30	1
1,1,2-Trichlorotrifluoroethane	**0.45**	**J**	1.5	0.41	ug/m3			12/13/22 18:30	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 18:30	1
Acetone	**55**		12	3.8	ug/m3			12/13/22 18:30	1
Isopropyl alcohol	**4.7**	**J**	12	3.9	ug/m3			12/13/22 18:30	1
Carbon disulfide	**1.1**	**J**	1.6	0.40	ug/m3			12/13/22 18:30	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 18:30	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/13/22 18:30	1
tert-Butyl alcohol	**5.7**	**J**	15	3.6	ug/m3			12/13/22 18:30	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 18:30	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/22 18:30	1
n-Hexane	**1.2**	**J**	1.8	0.39	ug/m3			12/13/22 18:30	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 18:30	1
Methyl Ethyl Ketone (2-Butanone)	**3.1**		1.5	1.4	ug/m3			12/13/22 18:30	1
cis-1,2-Dichloroethene	**0.36**		0.20	0.083	ug/m3			12/13/22 18:30	1
Chloroform	**6.1**		0.98	0.20	ug/m3			12/13/22 18:30	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/13/22 18:30	1
1,1,1-Trichloroethane	**0.56**	**J**	1.1	0.24	ug/m3			12/13/22 18:30	1
Cyclohexane	**0.66**	**J**	0.69	0.20	ug/m3			12/13/22 18:30	1
Carbon tetrachloride	**0.32**		0.22	0.14	ug/m3			12/13/22 18:30	1
2,2,4-Trimethylpentane	**1.0**		0.93	0.18	ug/m3			12/13/22 18:30	1

Client Sample ID: 133-10_39TH_SV-02_20221207 **Lab Sample ID: 200-66118-3**
Date Collected: 12/08/22 12:49 **Matrix: Air**
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1.8**		0.64	0.14	ug/m3			12/13/22 18:30	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 18:30	1
n-Heptane	**7.8**		0.82	0.23	ug/m3			12/13/22 18:30	1
Trichloroethene	**110**		0.20	0.13	ug/m3			12/13/22 18:30	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 18:30	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 18:30	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 18:30	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 18:30	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 18:30	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 18:30	1
Toluene	**6.8**		0.75	0.16	ug/m3			12/13/22 18:30	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 18:30	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 18:30	1
Tetrachloroethene	**19**		1.4	0.14	ug/m3			12/13/22 18:30	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 18:30	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 18:30	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 18:30	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 18:30	1
Ethylbenzene	**2.7**		0.87	0.23	ug/m3			12/13/22 18:30	1
m,p-Xylene	**6.4**		2.2	0.41	ug/m3			12/13/22 18:30	1
o-Xylene	**2.2**		0.87	0.23	ug/m3			12/13/22 18:30	1
Styrene	**0.34**	**J**	0.85	0.25	ug/m3			12/13/22 18:30	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 18:30	1
Cumene	0.98	U	0.98	0.20	ug/m3			12/13/22 18:30	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 18:30	1
n-Propylbenzene	**0.48**	**J**	0.98	0.23	ug/m3			12/13/22 18:30	1
4-Ethyltoluene	**0.65**	**J**	0.98	0.24	ug/m3			12/13/22 18:30	1
1,3,5-Trimethylbenzene	**0.75**	**J**	0.98	0.23	ug/m3			12/13/22 18:30	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 18:30	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 18:30	1
1,2,4-Trimethylbenzene	**2.9**		0.98	0.39	ug/m3			12/13/22 18:30	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 18:30	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/13/22 18:30	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 18:30	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 18:30	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 18:30	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 18:30	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 18:30	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 18:30	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 18:30	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 18:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.37**	**J**	0.50	0.11	ppb v/v			12/13/22 18:30	1
Chlorodifluoromethane	**0.23**	**J**	0.50	0.12	ppb v/v			12/13/22 18:30	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 18:30	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			12/13/22 18:30	1
n-Butane	**1.1**		0.50	0.20	ppb v/v			12/13/22 18:30	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10_39TH_SV-02_20221207
Date Collected: 12/08/22 12:49
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-66118-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 18:30	1
1,3-Butadiene	**0.28**		0.20	0.039	ppb v/v			12/13/22 18:30	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 18:30	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 18:30	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 18:30	1
Trichlorofluoromethane	**0.43**		0.20	0.050	ppb v/v			12/13/22 18:30	1
1,1,2-Trichlorotrifluoroethane	**0.058**	**J**	0.20	0.053	ppb v/v			12/13/22 18:30	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 18:30	1
Acetone	**23**		5.0	1.6	ppb v/v			12/13/22 18:30	1
Isopropyl alcohol	**1.9**	**J**	5.0	1.6	ppb v/v			12/13/22 18:30	1
Carbon disulfide	**0.36**	**J**	0.50	0.13	ppb v/v			12/13/22 18:30	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 18:30	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/13/22 18:30	1
tert-Butyl alcohol	**1.9**	**J**	5.0	1.2	ppb v/v			12/13/22 18:30	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 18:30	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/22 18:30	1
n-Hexane	**0.35**	**J**	0.50	0.11	ppb v/v			12/13/22 18:30	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 18:30	1
Methyl Ethyl Ketone (2-Butanone)	**1.1**		0.50	0.49	ppb v/v			12/13/22 18:30	1
cis-1,2-Dichloroethene	**0.090**		0.050	0.021	ppb v/v			12/13/22 18:30	1
Chloroform	**1.2**		0.20	0.041	ppb v/v			12/13/22 18:30	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/13/22 18:30	1
1,1,1-Trichloroethane	**0.10**	**J**	0.20	0.044	ppb v/v			12/13/22 18:30	1
Cyclohexane	**0.19**	**J**	0.20	0.058	ppb v/v			12/13/22 18:30	1
Carbon tetrachloride	**0.051**		0.035	0.022	ppb v/v			12/13/22 18:30	1
2,2,4-Trimethylpentane	**0.22**		0.20	0.038	ppb v/v			12/13/22 18:30	1
Benzene	**0.56**		0.20	0.044	ppb v/v			12/13/22 18:30	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 18:30	1
n-Heptane	**1.9**		0.20	0.055	ppb v/v			12/13/22 18:30	1
Trichloroethene	**21**		0.037	0.025	ppb v/v			12/13/22 18:30	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 18:30	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 18:30	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 18:30	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 18:30	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 18:30	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 18:30	1
Toluene	**1.8**		0.20	0.042	ppb v/v			12/13/22 18:30	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 18:30	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 18:30	1
Tetrachloroethene	**2.8**		0.20	0.021	ppb v/v			12/13/22 18:30	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 18:30	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 18:30	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 18:30	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 18:30	1
Ethylbenzene	**0.62**		0.20	0.052	ppb v/v			12/13/22 18:30	1
m,p-Xylene	**1.5**		0.50	0.095	ppb v/v			12/13/22 18:30	1
o-Xylene	**0.52**		0.20	0.052	ppb v/v			12/13/22 18:30	1
Styrene	**0.080**	**J**	0.20	0.059	ppb v/v			12/13/22 18:30	1

Client Sample ID: 133-10_39TH_SV-02_20221207

Lab Sample ID: 200-66118-3

Date Collected: 12/08/22 12:49
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 18:30	1
Cumene	0.20	U	0.20	0.041	ppb v/v			12/13/22 18:30	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 18:30	1
n-Propylbenzene	**0.098**	**J**	0.20	0.047	ppb v/v			12/13/22 18:30	1
4-Ethyltoluene	**0.13**	**J**	0.20	0.049	ppb v/v			12/13/22 18:30	1
1,3,5-Trimethylbenzene	**0.15**	**J**	0.20	0.047	ppb v/v			12/13/22 18:30	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 18:30	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 18:30	1
1,2,4-Trimethylbenzene	**0.58**		0.20	0.080	ppb v/v			12/13/22 18:30	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 18:30	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/13/22 18:30	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 18:30	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 18:30	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 18:30	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 18:30	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 18:30	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 18:30	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 18:30	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/13/22 18:30	1

Client Sample ID: 133-10_39TH_IA-01_20221207

Lab Sample ID: 200-66118-4

Date Collected: 12/08/22 10:28
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.8**	**J**	2.5	0.54	ug/m3			12/13/22 19:22	1
Chlorodifluoromethane	**0.98**	**J**	1.8	0.42	ug/m3			12/13/22 19:22	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 19:22	1
Chloromethane	**1.2**		1.0	0.31	ug/m3			12/13/22 19:22	1
n-Butane	**14**		1.2	0.48	ug/m3			12/13/22 19:22	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 19:22	1
1,3-Butadiene	**0.25**	**J**	0.44	0.086	ug/m3			12/13/22 19:22	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 19:22	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 19:22	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 19:22	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.28	ug/m3			12/13/22 19:22	1
1,1,2-Trichlorotrifluoroethane	**0.46**	**J**	1.5	0.41	ug/m3			12/13/22 19:22	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 19:22	1
Acetone	**25**		12	3.8	ug/m3			12/13/22 19:22	1
Isopropyl alcohol	**23**		12	3.9	ug/m3			12/13/22 19:22	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			12/13/22 19:22	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 19:22	1
Methylene Chloride	**0.75**	**J**	1.7	0.63	ug/m3			12/13/22 19:22	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			12/13/22 19:22	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 19:22	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/22 19:22	1
n-Hexane	**2.6**		1.8	0.39	ug/m3			12/13/22 19:22	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10_39TH_IA-01_20221207
Date Collected: 12/08/22 10:28
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-66118-4
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 19:22	1
Methyl Ethyl Ketone (2-Butanone)	**1.8**		1.5	1.4	ug/m3			12/13/22 19:22	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/22 19:22	1
Chloroform	**0.23**	**J**	0.98	0.20	ug/m3			12/13/22 19:22	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/13/22 19:22	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/13/22 19:22	1
Cyclohexane	**0.75**		0.69	0.20	ug/m3			12/13/22 19:22	1
Carbon tetrachloride	**0.32**		0.22	0.14	ug/m3			12/13/22 19:22	1
2,2,4-Trimethylpentane	**1.3**		0.93	0.18	ug/m3			12/13/22 19:22	1
Benzene	**1.5**		0.64	0.14	ug/m3			12/13/22 19:22	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 19:22	1
n-Heptane	**1.3**		0.82	0.23	ug/m3			12/13/22 19:22	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			12/13/22 19:22	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 19:22	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 19:22	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 19:22	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 19:22	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 19:22	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 19:22	1
Toluene	**4.2**		0.75	0.16	ug/m3			12/13/22 19:22	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 19:22	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 19:22	1
Tetrachloroethene	**0.53**	**J**	1.4	0.14	ug/m3			12/13/22 19:22	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 19:22	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 19:22	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 19:22	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 19:22	1
Ethylbenzene	**0.89**		0.87	0.23	ug/m3			12/13/22 19:22	1
m,p-Xylene	**2.7**		2.2	0.41	ug/m3			12/13/22 19:22	1
o-Xylene	**0.97**		0.87	0.23	ug/m3			12/13/22 19:22	1
Styrene	0.85	U	0.85	0.25	ug/m3			12/13/22 19:22	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 19:22	1
Cumene	0.98	U	0.98	0.20	ug/m3			12/13/22 19:22	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 19:22	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 19:22	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			12/13/22 19:22	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 19:22	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 19:22	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 19:22	1
1,2,4-Trimethylbenzene	**0.72**	**J**	0.98	0.39	ug/m3			12/13/22 19:22	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 19:22	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/13/22 19:22	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 19:22	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 19:22	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 19:22	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 19:22	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 19:22	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 19:22	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10_39TH_IA-01_20221207
Date Collected: 12/08/22 10:28
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-66118-4
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 19:22	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 19:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.37**	**J**	0.50	0.11	ppb v/v			12/13/22 19:22	1
Chlorodifluoromethane	**0.28**	**J**	0.50	0.12	ppb v/v			12/13/22 19:22	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 19:22	1
Chloromethane	**0.56**		0.50	0.15	ppb v/v			12/13/22 19:22	1
n-Butane	**6.0**		0.50	0.20	ppb v/v			12/13/22 19:22	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 19:22	1
1,3-Butadiene	**0.11**	**J**	0.20	0.039	ppb v/v			12/13/22 19:22	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 19:22	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 19:22	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 19:22	1
Trichlorofluoromethane	**0.18**	**J**	0.20	0.050	ppb v/v			12/13/22 19:22	1
1,1,2-Trichlorotrifluoroethane	**0.061**	**J**	0.20	0.053	ppb v/v			12/13/22 19:22	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 19:22	1
Acetone	**10**		5.0	1.6	ppb v/v			12/13/22 19:22	1
Isopropyl alcohol	**9.2**		5.0	1.6	ppb v/v			12/13/22 19:22	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			12/13/22 19:22	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 19:22	1
Methylene Chloride	**0.22**	**J**	0.50	0.18	ppb v/v			12/13/22 19:22	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			12/13/22 19:22	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 19:22	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/22 19:22	1
n-Hexane	**0.73**		0.50	0.11	ppb v/v			12/13/22 19:22	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 19:22	1
Methyl Ethyl Ketone (2-Butanone)	**0.60**		0.50	0.49	ppb v/v			12/13/22 19:22	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/22 19:22	1
Chloroform	**0.048**	**J**	0.20	0.041	ppb v/v			12/13/22 19:22	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/13/22 19:22	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/13/22 19:22	1
Cyclohexane	**0.22**		0.20	0.058	ppb v/v			12/13/22 19:22	1
Carbon tetrachloride	**0.051**		0.035	0.022	ppb v/v			12/13/22 19:22	1
2,2,4-Trimethylpentane	**0.28**		0.20	0.038	ppb v/v			12/13/22 19:22	1
Benzene	**0.46**		0.20	0.044	ppb v/v			12/13/22 19:22	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 19:22	1
n-Heptane	**0.32**		0.20	0.055	ppb v/v			12/13/22 19:22	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			12/13/22 19:22	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 19:22	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 19:22	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 19:22	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 19:22	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 19:22	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 19:22	1
Toluene	**1.1**		0.20	0.042	ppb v/v			12/13/22 19:22	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 19:22	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 19:22	1

Client Sample ID: 133-10_39TH_IA-01_20221207

Lab Sample ID: 200-66118-4

Date Collected: 12/08/22 10:28
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.079**	**J**	0.20	0.021	ppb v/v			12/13/22 19:22	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 19:22	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 19:22	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 19:22	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 19:22	1
Ethylbenzene	**0.20**		0.20	0.052	ppb v/v			12/13/22 19:22	1
m,p-Xylene	**0.63**		0.50	0.095	ppb v/v			12/13/22 19:22	1
o-Xylene	**0.22**		0.20	0.052	ppb v/v			12/13/22 19:22	1
Styrene	0.20	U	0.20	0.059	ppb v/v			12/13/22 19:22	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 19:22	1
Cumene	0.20	U	0.20	0.041	ppb v/v			12/13/22 19:22	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 19:22	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 19:22	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			12/13/22 19:22	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 19:22	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 19:22	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 19:22	1
1,2,4-Trimethylbenzene	**0.15**	**J**	0.20	0.080	ppb v/v			12/13/22 19:22	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 19:22	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/13/22 19:22	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 19:22	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 19:22	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 19:22	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 19:22	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 19:22	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 19:22	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 19:22	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/13/22 19:22	1

Client Sample ID: 133-10_39TH_SV-03_20221207

Lab Sample ID: 200-66118-5

Date Collected: 12/08/22 13:20
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.6**	**J**	2.5	0.54	ug/m3			12/13/22 23:44	1
Chlorodifluoromethane	**0.82**	**J**	1.8	0.42	ug/m3			12/13/22 23:44	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 23:44	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			12/13/22 23:44	1
n-Butane	**1.3**		1.2	0.48	ug/m3			12/13/22 23:44	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 23:44	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			12/13/22 23:44	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 23:44	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 23:44	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 23:44	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			12/13/22 23:44	1
1,1,2-Trichlorotrifluoroethane	**0.51**	**J**	1.5	0.41	ug/m3			12/13/22 23:44	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 23:44	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10_39TH_SV-03_20221207
Date Collected: 12/08/22 13:20
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-66118-5
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**13**		12	3.8	ug/m3			12/13/22 23:44	1
Isopropyl alcohol	**4.8**	**J**	12	3.9	ug/m3			12/13/22 23:44	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			12/13/22 23:44	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 23:44	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/13/22 23:44	1
tert-Butyl alcohol	**7.0**	**J**	15	3.6	ug/m3			12/13/22 23:44	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 23:44	1
trans-1,2-Dichloroethene	**0.11**	**J**	0.79	0.091	ug/m3			12/13/22 23:44	1
n-Hexane	**1.7**	**J**	1.8	0.39	ug/m3			12/13/22 23:44	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 23:44	1
Methyl Ethyl Ketone (2-Butanone)	**2.5**		1.5	1.4	ug/m3			12/13/22 23:44	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/22 23:44	1
Chloroform	**2.7**		0.98	0.20	ug/m3			12/13/22 23:44	1
Tetrahydrofuran	**14**	**J**	15	3.8	ug/m3			12/13/22 23:44	1
1,1,1-Trichloroethane	**1.2**		1.1	0.24	ug/m3			12/13/22 23:44	1
Cyclohexane	**3.4**		0.69	0.20	ug/m3			12/13/22 23:44	1
Carbon tetrachloride	**0.34**		0.22	0.14	ug/m3			12/13/22 23:44	1
2,2,4-Trimethylpentane	**1.9**		0.93	0.18	ug/m3			12/13/22 23:44	1
Benzene	**2.2**		0.64	0.14	ug/m3			12/13/22 23:44	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 23:44	1
n-Heptane	**6.5**		0.82	0.23	ug/m3			12/13/22 23:44	1
Trichloroethene	**21**		0.20	0.13	ug/m3			12/13/22 23:44	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 23:44	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 23:44	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 23:44	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 23:44	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 23:44	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 23:44	1
Toluene	**10**		0.75	0.16	ug/m3			12/13/22 23:44	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 23:44	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 23:44	1
Tetrachloroethene	**29**		1.4	0.14	ug/m3			12/13/22 23:44	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 23:44	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 23:44	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 23:44	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 23:44	1
Ethylbenzene	**2.3**		0.87	0.23	ug/m3			12/13/22 23:44	1
m,p-Xylene	**6.7**		2.2	0.41	ug/m3			12/13/22 23:44	1
o-Xylene	**2.4**		0.87	0.23	ug/m3			12/13/22 23:44	1
Styrene	**0.51**	**J**	0.85	0.25	ug/m3			12/13/22 23:44	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 23:44	1
Cumene	**0.64**	**J**	0.98	0.20	ug/m3			12/13/22 23:44	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 23:44	1
n-Propylbenzene	**0.53**	**J**	0.98	0.23	ug/m3			12/13/22 23:44	1
4-Ethyltoluene	**0.75**	**J**	0.98	0.24	ug/m3			12/13/22 23:44	1
1,3,5-Trimethylbenzene	**0.88**	**J**	0.98	0.23	ug/m3			12/13/22 23:44	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 23:44	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 23:44	1

Client Sample ID: 133-10_39TH_SV-03_20221207 **Lab Sample ID: 200-66118-5**
Date Collected: 12/08/22 13:20 **Matrix: Air**
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3.0**		0.98	0.39	ug/m3			12/13/22 23:44	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 23:44	1
4-Isopropyltoluene	**0.33**	**J**	1.1	0.33	ug/m3			12/13/22 23:44	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 23:44	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 23:44	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 23:44	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 23:44	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 23:44	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 23:44	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 23:44	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 23:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.32**	**J**	0.50	0.11	ppb v/v			12/13/22 23:44	1
Chlorodifluoromethane	**0.23**	**J**	0.50	0.12	ppb v/v			12/13/22 23:44	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 23:44	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			12/13/22 23:44	1
n-Butane	**0.53**		0.50	0.20	ppb v/v			12/13/22 23:44	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 23:44	1
1,3-Butadiene	**0.051**	**J**	0.20	0.039	ppb v/v			12/13/22 23:44	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 23:44	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 23:44	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 23:44	1
Trichlorofluoromethane	**0.19**		0.20	0.050	ppb v/v			12/13/22 23:44	1
1,1,2-Trichlorotrifluoroethane	**0.067**	**J**	0.20	0.053	ppb v/v			12/13/22 23:44	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 23:44	1
Acetone	**5.5**		5.0	1.6	ppb v/v			12/13/22 23:44	1
Isopropyl alcohol	**2.0**	**J**	5.0	1.6	ppb v/v			12/13/22 23:44	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			12/13/22 23:44	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 23:44	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/13/22 23:44	1
tert-Butyl alcohol	**2.3**	**J**	5.0	1.2	ppb v/v			12/13/22 23:44	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 23:44	1
trans-1,2-Dichloroethene	**0.027**	**J**	0.20	0.023	ppb v/v			12/13/22 23:44	1
n-Hexane	**0.49**	**J**	0.50	0.11	ppb v/v			12/13/22 23:44	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 23:44	1
Methyl Ethyl Ketone (2-Butanone)	**0.84**		0.50	0.49	ppb v/v			12/13/22 23:44	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/22 23:44	1
Chloroform	**0.55**		0.20	0.041	ppb v/v			12/13/22 23:44	1
Tetrahydrofuran	**4.7**	**J**	5.0	1.3	ppb v/v			12/13/22 23:44	1
1,1,1-Trichloroethane	**0.21**		0.20	0.044	ppb v/v			12/13/22 23:44	1
Cyclohexane	**0.98**		0.20	0.058	ppb v/v			12/13/22 23:44	1
Carbon tetrachloride	**0.054**		0.035	0.022	ppb v/v			12/13/22 23:44	1
2,2,4-Trimethylpentane	**0.41**		0.20	0.038	ppb v/v			12/13/22 23:44	1
Benzene	**0.70**		0.20	0.044	ppb v/v			12/13/22 23:44	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 23:44	1
n-Heptane	**1.6**		0.20	0.055	ppb v/v			12/13/22 23:44	1
Trichloroethene	**3.8**		0.037	0.025	ppb v/v			12/13/22 23:44	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 23:44	1

Client Sample ID: 133-10_39TH_SV-03_20221207

Lab Sample ID: 200-66118-5

Date Collected: 12/08/22 13:20
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 23:44	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 23:44	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 23:44	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 23:44	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 23:44	1
Toluene	**2.6**		0.20	0.042	ppb v/v			12/13/22 23:44	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 23:44	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 23:44	1
Tetrachloroethene	**4.3**		0.20	0.021	ppb v/v			12/13/22 23:44	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 23:44	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 23:44	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 23:44	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 23:44	1
Ethylbenzene	**0.53**		0.20	0.052	ppb v/v			12/13/22 23:44	1
m,p-Xylene	**1.5**		0.50	0.095	ppb v/v			12/13/22 23:44	1
o-Xylene	**0.55**		0.20	0.052	ppb v/v			12/13/22 23:44	1
Styrene	**0.12**	**J**	0.20	0.059	ppb v/v			12/13/22 23:44	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 23:44	1
Cumene	**0.13**	**J**	0.20	0.041	ppb v/v			12/13/22 23:44	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 23:44	1
n-Propylbenzene	**0.11**	**J**	0.20	0.047	ppb v/v			12/13/22 23:44	1
4-Ethyltoluene	**0.15**	**J**	0.20	0.049	ppb v/v			12/13/22 23:44	1
1,3,5-Trimethylbenzene	**0.18**	**J**	0.20	0.047	ppb v/v			12/13/22 23:44	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 23:44	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 23:44	1
1,2,4-Trimethylbenzene	**0.61**		0.20	0.080	ppb v/v			12/13/22 23:44	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 23:44	1
4-Isopropyltoluene	**0.061**	**J**	0.20	0.061	ppb v/v			12/13/22 23:44	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 23:44	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 23:44	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 23:44	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 23:44	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 23:44	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 23:44	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 23:44	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/13/22 23:44	1

Client Sample ID: 133-10_39TH_IA-02_20221207

Lab Sample ID: 200-66118-6

Date Collected: 12/08/22 13:20
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.7**	**J**	2.5	0.54	ug/m3			12/14/22 00:37	1
Chlorodifluoromethane	**0.86**	**J**	1.8	0.42	ug/m3			12/14/22 00:37	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/14/22 00:37	1
Chloromethane	**1.2**		1.0	0.31	ug/m3			12/14/22 00:37	1

Client Sample ID: 133-10_39TH_IA-02_20221207
Lab Sample ID: 200-66118-6
Date Collected: 12/08/22 13:20
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	**11**		1.2	0.48	ug/m3			12/14/22 00:37	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/14/22 00:37	1
1,3-Butadiene	**0.19**	**J**	0.44	0.086	ug/m3			12/14/22 00:37	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/14/22 00:37	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/14/22 00:37	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/14/22 00:37	1
Trichlorofluoromethane	**0.90**	**J**	1.1	0.28	ug/m3			12/14/22 00:37	1
1,1,2-Trichlorotrifluoroethane	**0.45**	**J**	1.5	0.41	ug/m3			12/14/22 00:37	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/14/22 00:37	1
Acetone	**29**		12	3.8	ug/m3			12/14/22 00:37	1
Isopropyl alcohol	**54**		12	3.9	ug/m3			12/14/22 00:37	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			12/14/22 00:37	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/14/22 00:37	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/14/22 00:37	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			12/14/22 00:37	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/14/22 00:37	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/14/22 00:37	1
n-Hexane	**1.7**	**J**	1.8	0.39	ug/m3			12/14/22 00:37	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/14/22 00:37	1
Methyl Ethyl Ketone (2-Butanone)	**2.3**		1.5	1.4	ug/m3			12/14/22 00:37	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/14/22 00:37	1
Chloroform	**0.24**	**J**	0.98	0.20	ug/m3			12/14/22 00:37	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/14/22 00:37	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/14/22 00:37	1
Cyclohexane	**0.74**		0.69	0.20	ug/m3			12/14/22 00:37	1
Carbon tetrachloride	**0.30**		0.22	0.14	ug/m3			12/14/22 00:37	1
2,2,4-Trimethylpentane	**0.96**		0.93	0.18	ug/m3			12/14/22 00:37	1
Benzene	**1.5**		0.64	0.14	ug/m3			12/14/22 00:37	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/14/22 00:37	1
n-Heptane	**0.95**		0.82	0.23	ug/m3			12/14/22 00:37	1
Trichloroethene	**0.14**	**J**	0.20	0.13	ug/m3			12/14/22 00:37	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/14/22 00:37	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/14/22 00:37	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/14/22 00:37	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/14/22 00:37	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/14/22 00:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/14/22 00:37	1
Toluene	**3.8**		0.75	0.16	ug/m3			12/14/22 00:37	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/14/22 00:37	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/14/22 00:37	1
Tetrachloroethene	**1.4**		1.4	0.14	ug/m3			12/14/22 00:37	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/14/22 00:37	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/14/22 00:37	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/14/22 00:37	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/14/22 00:37	1
Ethylbenzene	**1.1**		0.87	0.23	ug/m3			12/14/22 00:37	1
m,p-Xylene	**3.2**		2.2	0.41	ug/m3			12/14/22 00:37	1
o-Xylene	**1.1**		0.87	0.23	ug/m3			12/14/22 00:37	1

Client Sample ID: 133-10_39TH_IA-02_20221207 **Lab Sample ID: 200-66118-6**
Date Collected: 12/08/22 13:20 **Matrix: Air**
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	**0.59**	**J**	0.85	0.25	ug/m3			12/14/22 00:37	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/14/22 00:37	1
Cumene	0.98	U	0.98	0.20	ug/m3			12/14/22 00:37	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/14/22 00:37	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			12/14/22 00:37	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			12/14/22 00:37	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			12/14/22 00:37	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/14/22 00:37	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/14/22 00:37	1
1,2,4-Trimethylbenzene	**0.61**	**J**	0.98	0.39	ug/m3			12/14/22 00:37	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/14/22 00:37	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/14/22 00:37	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/14/22 00:37	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/14/22 00:37	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/14/22 00:37	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/14/22 00:37	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/14/22 00:37	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/14/22 00:37	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/14/22 00:37	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/14/22 00:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.34**	**J**	0.50	0.11	ppb v/v			12/14/22 00:37	1
Chlorodifluoromethane	**0.24**	**J**	0.50	0.12	ppb v/v			12/14/22 00:37	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/14/22 00:37	1
Chloromethane	**0.56**		0.50	0.15	ppb v/v			12/14/22 00:37	1
n-Butane	**4.6**		0.50	0.20	ppb v/v			12/14/22 00:37	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/14/22 00:37	1
1,3-Butadiene	**0.088**	**J**	0.20	0.039	ppb v/v			12/14/22 00:37	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/14/22 00:37	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/14/22 00:37	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/14/22 00:37	1
Trichlorofluoromethane	**0.16**	**J**	0.20	0.050	ppb v/v			12/14/22 00:37	1
1,1,2-Trichlorotrifluoroethane	**0.058**	**J**	0.20	0.053	ppb v/v			12/14/22 00:37	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/14/22 00:37	1
Acetone	**12**		5.0	1.6	ppb v/v			12/14/22 00:37	1
Isopropyl alcohol	**22**		5.0	1.6	ppb v/v			12/14/22 00:37	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			12/14/22 00:37	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/14/22 00:37	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/14/22 00:37	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			12/14/22 00:37	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/14/22 00:37	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/14/22 00:37	1
n-Hexane	**0.49**	**J**	0.50	0.11	ppb v/v			12/14/22 00:37	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/14/22 00:37	1
Methyl Ethyl Ketone (2-Butanone)	**0.79**		0.50	0.49	ppb v/v			12/14/22 00:37	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/14/22 00:37	1
Chloroform	**0.049**	**J**	0.20	0.041	ppb v/v			12/14/22 00:37	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/14/22 00:37	1

Client Sample ID: 133-10_39TH_IA-02_20221207
Lab Sample ID: 200-66118-6
Date Collected: 12/08/22 13:20
Matrix: Air
Date Received: 12/12/22 10:30
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/14/22 00:37	1
Cyclohexane	**0.22**		0.20	0.058	ppb v/v			12/14/22 00:37	1
Carbon tetrachloride	**0.048**		0.035	0.022	ppb v/v			12/14/22 00:37	1
2,2,4-Trimethylpentane	**0.21**		0.20	0.038	ppb v/v			12/14/22 00:37	1
Benzene	**0.46**		0.20	0.044	ppb v/v			12/14/22 00:37	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/14/22 00:37	1
n-Heptane	**0.23**		0.20	0.055	ppb v/v			12/14/22 00:37	1
Trichloroethene	**0.025**	**J**	0.037	0.025	ppb v/v			12/14/22 00:37	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/14/22 00:37	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/14/22 00:37	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/14/22 00:37	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/14/22 00:37	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/14/22 00:37	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/14/22 00:37	1
Toluene	**1.0**		0.20	0.042	ppb v/v			12/14/22 00:37	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/14/22 00:37	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/14/22 00:37	1
Tetrachloroethene	**0.20**		0.20	0.021	ppb v/v			12/14/22 00:37	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/14/22 00:37	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/14/22 00:37	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/14/22 00:37	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/14/22 00:37	1
Ethylbenzene	**0.24**		0.20	0.052	ppb v/v			12/14/22 00:37	1
m,p-Xylene	**0.73**		0.50	0.095	ppb v/v			12/14/22 00:37	1
o-Xylene	**0.26**		0.20	0.052	ppb v/v			12/14/22 00:37	1
Styrene	**0.14**	**J**	0.20	0.059	ppb v/v			12/14/22 00:37	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/14/22 00:37	1
Cumene	0.20	U	0.20	0.041	ppb v/v			12/14/22 00:37	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/14/22 00:37	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			12/14/22 00:37	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			12/14/22 00:37	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			12/14/22 00:37	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/14/22 00:37	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/14/22 00:37	1
1,2,4-Trimethylbenzene	**0.12**	**J**	0.20	0.080	ppb v/v			12/14/22 00:37	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/14/22 00:37	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/14/22 00:37	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/14/22 00:37	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/14/22 00:37	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/14/22 00:37	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/14/22 00:37	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/14/22 00:37	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/14/22 00:37	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/14/22 00:37	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			12/14/22 00:37	1

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

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

Lab Sample ID: MB 200-186631/4
Matrix: Air
Analysis Batch: 186631

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			12/13/22 09:46	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			12/13/22 09:46	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			12/13/22 09:46	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			12/13/22 09:46	1
n-Butane	1.2	U	1.2	0.48	ug/m3			12/13/22 09:46	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			12/13/22 09:46	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			12/13/22 09:46	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			12/13/22 09:46	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			12/13/22 09:46	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			12/13/22 09:46	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			12/13/22 09:46	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			12/13/22 09:46	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			12/13/22 09:46	1
Acetone	12	U	12	3.8	ug/m3			12/13/22 09:46	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			12/13/22 09:46	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			12/13/22 09:46	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			12/13/22 09:46	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			12/13/22 09:46	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			12/13/22 09:46	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			12/13/22 09:46	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			12/13/22 09:46	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			12/13/22 09:46	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			12/13/22 09:46	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			12/13/22 09:46	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			12/13/22 09:46	1
Chloroform	0.98	U	0.98	0.20	ug/m3			12/13/22 09:46	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			12/13/22 09:46	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			12/13/22 09:46	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			12/13/22 09:46	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			12/13/22 09:46	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			12/13/22 09:46	1
Benzene	0.64	U	0.64	0.14	ug/m3			12/13/22 09:46	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			12/13/22 09:46	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			12/13/22 09:46	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			12/13/22 09:46	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			12/13/22 09:46	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			12/13/22 09:46	1
1,4-Dioxane	18	U	18	4.7	ug/m3			12/13/22 09:46	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			12/13/22 09:46	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			12/13/22 09:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			12/13/22 09:46	1
Toluene	0.75	U	0.75	0.16	ug/m3			12/13/22 09:46	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			12/13/22 09:46	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			12/13/22 09:46	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			12/13/22 09:46	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			12/13/22 09:46	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			12/13/22 09:46	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			12/13/22 09:46	1

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

Lab Sample ID: MB 200-186631/4
Matrix: Air
Analysis Batch: 186631

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			12/13/22 09:46	1
Ethylbenzene	0.87	U	0.87	0.23	ug/m3			12/13/22 09:46	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			12/13/22 09:46	1
o-Xylene	0.87	U	0.87	0.23	ug/m3			12/13/22 09:46	1
Styrene	0.85	U	0.85	0.25	ug/m3			12/13/22 09:46	1
Bromoform	2.1	U	2.1	1.2	ug/m3			12/13/22 09:46	1
Cumene	0.98	U	0.98	0.20	ug/m3			12/13/22 09:46	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			12/13/22 09:46	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 09:46	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			12/13/22 09:46	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			12/13/22 09:46	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			12/13/22 09:46	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			12/13/22 09:46	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			12/13/22 09:46	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			12/13/22 09:46	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			12/13/22 09:46	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			12/13/22 09:46	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			12/13/22 09:46	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			12/13/22 09:46	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			12/13/22 09:46	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			12/13/22 09:46	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			12/13/22 09:46	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			12/13/22 09:46	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			12/13/22 09:46	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			12/13/22 09:46	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			12/13/22 09:46	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			12/13/22 09:46	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			12/13/22 09:46	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			12/13/22 09:46	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			12/13/22 09:46	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			12/13/22 09:46	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			12/13/22 09:46	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			12/13/22 09:46	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			12/13/22 09:46	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 09:46	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			12/13/22 09:46	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			12/13/22 09:46	1
Acetone	5.0	U	5.0	1.6	ppb v/v			12/13/22 09:46	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			12/13/22 09:46	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			12/13/22 09:46	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			12/13/22 09:46	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			12/13/22 09:46	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			12/13/22 09:46	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			12/13/22 09:46	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			12/13/22 09:46	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			12/13/22 09:46	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			12/13/22 09:46	1

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

Lab Sample ID: MB 200-186631/4
Matrix: Air
Analysis Batch: 186631

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			12/13/22 09:46	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			12/13/22 09:46	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			12/13/22 09:46	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			12/13/22 09:46	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			12/13/22 09:46	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			12/13/22 09:46	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			12/13/22 09:46	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			12/13/22 09:46	1
Benzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 09:46	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			12/13/22 09:46	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			12/13/22 09:46	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			12/13/22 09:46	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			12/13/22 09:46	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			12/13/22 09:46	1
1,4-Dioxane	5.0	U	5.0	1.3	ppb v/v			12/13/22 09:46	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			12/13/22 09:46	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			12/13/22 09:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			12/13/22 09:46	1
Toluene	0.20	U	0.20	0.042	ppb v/v			12/13/22 09:46	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			12/13/22 09:46	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			12/13/22 09:46	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			12/13/22 09:46	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			12/13/22 09:46	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			12/13/22 09:46	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			12/13/22 09:46	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			12/13/22 09:46	1
Ethylbenzene	0.20	U	0.20	0.052	ppb v/v			12/13/22 09:46	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			12/13/22 09:46	1
o-Xylene	0.20	U	0.20	0.052	ppb v/v			12/13/22 09:46	1
Styrene	0.20	U	0.20	0.059	ppb v/v			12/13/22 09:46	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			12/13/22 09:46	1
Cumene	0.20	U	0.20	0.041	ppb v/v			12/13/22 09:46	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			12/13/22 09:46	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 09:46	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			12/13/22 09:46	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 09:46	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			12/13/22 09:46	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			12/13/22 09:46	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			12/13/22 09:46	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			12/13/22 09:46	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			12/13/22 09:46	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			12/13/22 09:46	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			12/13/22 09:46	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			12/13/22 09:46	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			12/13/22 09:46	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			12/13/22 09:46	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			12/13/22 09:46	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			12/13/22 09:46	1

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

Lab Sample ID: MB 200-186631/4
Matrix: Air
Analysis Batch: 186631

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			12/13/22 09:46	1

Lab Sample ID: LCS 200-186631/3
Matrix: Air
Analysis Batch: 186631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	48.3		ug/m3		98	61 - 142
Chlorodifluoromethane	35.4	33.7		ug/m3		95	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	66.2		ug/m3		95	71 - 141
Chloromethane	20.6	19.8		ug/m3		96	56 - 141
n-Butane	23.8	23.7		ug/m3		100	53 - 151
Vinyl chloride	25.6	23.9		ug/m3		94	61 - 135
1,3-Butadiene	22.1	18.9		ug/m3		86	58 - 139
Bromomethane	38.8	37.4		ug/m3		96	72 - 124
Chloroethane	26.4	27.2		ug/m3		103	68 - 130
Bromoethene(Vinyl Bromide)	43.7	41.9		ug/m3		96	75 - 125
Trichlorofluoromethane	56.2	52.8		ug/m3		94	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	80.2		ug/m3		105	70 - 121
1,1-Dichloroethene	39.6	40.2		ug/m3		101	68 - 120
Acetone	23.7	26.5		ug/m3		112	54 - 154
Isopropyl alcohol	24.6	23.8		ug/m3		97	53 - 142
Carbon disulfide	31.1	34.1		ug/m3		110	71 - 138
3-Chloropropene	31.3	32.8		ug/m3		105	50 - 150
Methylene Chloride	34.7	38.2		ug/m3		110	59 - 137
tert-Butyl alcohol	30.3	32.8		ug/m3		108	66 - 132
Methyl tert-butyl ether	36.0	37.6		ug/m3		104	70 - 127
trans-1,2-Dichloroethene	39.6	42.1		ug/m3		106	69 - 137
n-Hexane	35.2	37.9		ug/m3		107	63 - 138
1,1-Dichloroethane	40.5	43.2		ug/m3		107	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	32.0		ug/m3		109	72 - 124
cis-1,2-Dichloroethene	39.6	40.3		ug/m3		102	72 - 121
Chloroform	48.8	51.4		ug/m3		105	73 - 124
Tetrahydrofuran	29.5	31.4		ug/m3		107	60 - 149
1,1,1-Trichloroethane	54.6	53.7		ug/m3		98	72 - 127
Cyclohexane	34.4	35.4		ug/m3		103	76 - 124
Carbon tetrachloride	62.9	60.5		ug/m3		96	71 - 133
2,2,4-Trimethylpentane	46.7	49.5		ug/m3		106	68 - 131
Benzene	31.9	33.3		ug/m3		104	73 - 119
1,2-Dichloroethane	40.5	40.9		ug/m3		101	68 - 135
n-Heptane	41.0	43.8		ug/m3		107	60 - 142
Trichloroethene	53.7	53.5		ug/m3		100	73 - 122
Methyl methacrylate	40.9	42.9		ug/m3		105	73 - 129
1,2-Dichloropropane	46.2	49.7		ug/m3		108	69 - 128
1,4-Dioxane	36.0	38.4		ug/m3		106	66 - 129
Bromodichloromethane	67.0	68.9		ug/m3		103	75 - 127
cis-1,3-Dichloropropene	45.4	45.2		ug/m3		100	74 - 125

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

Lab Sample ID: LCS 200-186631/3
Matrix: Air
Analysis Batch: 186631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	47.1		ug/m3		115	58 - 144
Toluene	37.7	39.4		ug/m3		105	75 - 122
trans-1,3-Dichloropropene	45.4	46.8		ug/m3		103	74 - 128
1,1,2-Trichloroethane	54.6	56.8		ug/m3		104	75 - 126
Tetrachloroethene	67.8	65.3		ug/m3		96	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	37.4		ug/m3		91	57 - 143
Dibromochloromethane	85.2	86.9		ug/m3		102	73 - 125
1,2-Dibromoethane	76.8	79.9		ug/m3		104	78 - 122
Chlorobenzene	46.0	46.7		ug/m3		101	76 - 119
Ethylbenzene	43.4	44.9		ug/m3		104	74 - 122
m,p-Xylene	86.8	90.0		ug/m3		104	76 - 121
o-Xylene	43.4	44.9		ug/m3		103	73 - 123
Styrene	42.6	45.9		ug/m3		108	74 - 125
Bromoform	103	100		ug/m3		97	53 - 149
Cumene	49.1	50.0		ug/m3		102	73 - 123
1,1,2,2-Tetrachloroethane	68.6	71.3		ug/m3		104	74 - 126
n-Propylbenzene	49.1	50.4		ug/m3		103	73 - 127
4-Ethyltoluene	49.2	50.1		ug/m3		102	75 - 129
1,3,5-Trimethylbenzene	49.2	50.3		ug/m3		102	72 - 126
2-Chlorotoluene	51.8	52.8		ug/m3		102	74 - 126
tert-Butylbenzene	54.9	54.5		ug/m3		99	71 - 125
1,2,4-Trimethylbenzene	49.2	50.4		ug/m3		103	71 - 129
sec-Butylbenzene	54.9	55.7		ug/m3		101	70 - 128
4-Isopropyltoluene	54.9	56.8		ug/m3		104	68 - 130
1,3-Dichlorobenzene	60.1	61.7		ug/m3		103	69 - 131
1,4-Dichlorobenzene	60.1	61.2		ug/m3		102	67 - 132
Benzyl chloride	51.8	49.4		ug/m3		95	60 - 136
n-Butylbenzene	54.9	59.0		ug/m3		107	65 - 137
1,2-Dichlorobenzene	60.1	61.3		ug/m3		102	68 - 129
1,2,4-Trichlorobenzene	74.2	64.7		ug/m3		87	50 - 150
Hexachlorobutadiene	107	91.5		ug/m3		86	58 - 130
Naphthalene	52.4	51.4		ug/m3		98	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.76		ppb v/v		98	61 - 142
Chlorodifluoromethane	10	9.53		ppb v/v		95	60 - 147
1,2-Dichlorotetrafluoroethane	10	9.48		ppb v/v		95	71 - 141
Chloromethane	10	9.61		ppb v/v		96	56 - 141
n-Butane	10	9.98		ppb v/v		100	53 - 151
Vinyl chloride	10	9.35		ppb v/v		94	61 - 135
1,3-Butadiene	10	8.56		ppb v/v		86	58 - 139
Bromomethane	10	9.62		ppb v/v		96	72 - 124
Chloroethane	10	10.3		ppb v/v		103	68 - 130
Bromoethene(Vinyl Bromide)	10	9.57		ppb v/v		96	75 - 125
Trichlorofluoromethane	10	9.39		ppb v/v		94	70 - 129
1,1,2-Trichlorotrifluoroethane	10	10.5		ppb v/v		105	70 - 121
1,1-Dichloroethene	10	10.1		ppb v/v		101	68 - 120

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

Lab Sample ID: LCS 200-186631/3
Matrix: Air
Analysis Batch: 186631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	11.2		ppb v/v		112	54 - 154
Isopropyl alcohol	10	9.68		ppb v/v		97	53 - 142
Carbon disulfide	10	11.0		ppb v/v		110	71 - 138
3-Chloropropene	10	10.5		ppb v/v		105	50 - 150
Methylene Chloride	10	11.0		ppb v/v		110	59 - 137
tert-Butyl alcohol	10	10.8		ppb v/v		108	66 - 132
Methyl tert-butyl ether	10	10.4		ppb v/v		104	70 - 127
trans-1,2-Dichloroethene	10	10.6		ppb v/v		106	69 - 137
n-Hexane	10	10.7		ppb v/v		107	63 - 138
1,1-Dichloroethane	10	10.7		ppb v/v		107	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	10.8		ppb v/v		109	72 - 124
cis-1,2-Dichloroethene	10	10.2		ppb v/v		102	72 - 121
Chloroform	10	10.5		ppb v/v		105	73 - 124
Tetrahydrofuran	10	10.7		ppb v/v		107	60 - 149
1,1,1-Trichloroethane	10	9.84		ppb v/v		98	72 - 127
Cyclohexane	10	10.3		ppb v/v		103	76 - 124
Carbon tetrachloride	10	9.62		ppb v/v		96	71 - 133
2,2,4-Trimethylpentane	10	10.6		ppb v/v		106	68 - 131
Benzene	10	10.4		ppb v/v		104	73 - 119
1,2-Dichloroethane	10	10.1		ppb v/v		101	68 - 135
n-Heptane	10	10.7		ppb v/v		107	60 - 142
Trichloroethene	10	9.95		ppb v/v		100	73 - 122
Methyl methacrylate	10	10.5		ppb v/v		105	73 - 129
1,2-Dichloropropane	10	10.8		ppb v/v		108	69 - 128
1,4-Dioxane	10	10.6		ppb v/v		106	66 - 129
Bromodichloromethane	10	10.3		ppb v/v		103	75 - 127
cis-1,3-Dichloropropene	10	9.95		ppb v/v		100	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.5		ppb v/v		115	58 - 144
Toluene	10	10.5		ppb v/v		105	75 - 122
trans-1,3-Dichloropropene	10	10.3		ppb v/v		103	74 - 128
1,1,2-Trichloroethane	10	10.4		ppb v/v		104	75 - 126
Tetrachloroethene	10	9.62		ppb v/v		96	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	9.11		ppb v/v		91	57 - 143
Dibromochloromethane	10	10.2		ppb v/v		102	73 - 125
1,2-Dibromoethane	10	10.4		ppb v/v		104	78 - 122
Chlorobenzene	10	10.1		ppb v/v		101	76 - 119
Ethylbenzene	10	10.4		ppb v/v		104	74 - 122
m,p-Xylene	20	20.7		ppb v/v		104	76 - 121
o-Xylene	10	10.3		ppb v/v		103	73 - 123
Styrene	10	10.8		ppb v/v		108	74 - 125
Bromoform	10	9.67		ppb v/v		97	53 - 149
Cumene	10	10.2		ppb v/v		102	73 - 123
1,1,2,2-Tetrachloroethane	10	10.4		ppb v/v		104	74 - 126
n-Propylbenzene	10	10.3		ppb v/v		103	73 - 127
4-Ethyltoluene	10	10.2		ppb v/v		102	75 - 129
1,3,5-Trimethylbenzene	10	10.2		ppb v/v		102	72 - 126

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

Lab Sample ID: LCS 200-186631/3
Matrix: Air
Analysis Batch: 186631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	10.2		ppb v/v		102	74 - 126
tert-Butylbenzene	10	9.93		ppb v/v		99	71 - 125
1,2,4-Trimethylbenzene	10	10.3		ppb v/v		103	71 - 129
sec-Butylbenzene	10	10.1		ppb v/v		101	70 - 128
4-Isopropyltoluene	10	10.3		ppb v/v		104	68 - 130
1,3-Dichlorobenzene	10	10.3		ppb v/v		103	69 - 131
1,4-Dichlorobenzene	10	10.2		ppb v/v		102	67 - 132
Benzyl chloride	10	9.54		ppb v/v		95	60 - 136
n-Butylbenzene	10	10.7		ppb v/v		107	65 - 137
1,2-Dichlorobenzene	10	10.2		ppb v/v		102	68 - 129
1,2,4-Trichlorobenzene	10	8.72		ppb v/v		87	50 - 150
Hexachlorobutadiene	10	8.57		ppb v/v		86	58 - 130
Naphthalene	10	9.80		ppb v/v		98	50 - 150

QC Association Summary

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Air - GC/MS VOA

Analysis Batch: 186631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-66118-1	133-10-39TH_SV-01_20221207	Total/NA	Air	TO-15	
200-66118-2	133-10-39TH_AA-01_20221207	Total/NA	Air	TO-15	
200-66118-3	133-10_39TH_SV-02_20221207	Total/NA	Air	TO-15	
200-66118-4	133-10_39TH_IA-01_20221207	Total/NA	Air	TO-15	
200-66118-5	133-10_39TH_SV-03_20221207	Total/NA	Air	TO-15	
200-66118-6	133-10_39TH_IA-02_20221207	Total/NA	Air	TO-15	
MB 200-186631/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-186631/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Client Sample ID: 133-10-39TH_SV-01_20221207 — Lab Sample ID: 200-66118-1

Date Collected: 12/08/22 12:02 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/13/22 13:16

Client Sample ID: 133-10-39TH_AA-01_20221207 — Lab Sample ID: 200-66118-2

Date Collected: 12/08/22 12:02 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/13/22 14:08

Client Sample ID: 133-10_39TH_SV-02_20221207 — Lab Sample ID: 200-66118-3

Date Collected: 12/08/22 12:49 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/13/22 18:30

Client Sample ID: 133-10_39TH_IA-01_20221207 — Lab Sample ID: 200-66118-4

Date Collected: 12/08/22 10:28 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/13/22 19:22

Client Sample ID: 133-10_39TH_SV-03_20221207 — Lab Sample ID: 200-66118-5

Date Collected: 12/08/22 13:20 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/13/22 23:44

Client Sample ID: 133-10_39TH_IA-02_20221207 — Lab Sample ID: 200-66118-6

Date Collected: 12/08/22 13:20 — **Matrix: Air**
Date Received: 12/12/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	186631	A1B	EET BUR	12/14/22 00:37

Laboratory References:

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

Accreditation/Certification Summary

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	VT972	06-30-23

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	1,4-Dioxane
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	m,p-Xylene
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

Method Summary

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

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: AKRF Inc
Project/Site: 133-10 39th Ave

Job ID: 200-66118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-66118-1	133-10-39TH_SV-01_20221207	Air	12/08/22 12:02	12/12/22 10:30	Air Canister (6-Liter) #5430
200-66118-2	133-10-39TH_AA-01_20221207	Air	12/08/22 12:02	12/12/22 10:30	Air Canister (6-Liter) #3275
200-66118-3	133-10_39TH_SV-02_20221207	Air	12/08/22 12:49	12/12/22 10:30	Air Canister (6-Liter) #3620
200-66118-4	133-10_39TH_IA-01_20221207	Air	12/08/22 10:28	12/12/22 10:30	Air Canister (6-Liter) #9244
200-66118-5	133-10_39TH_SV-03_20221207	Air	12/08/22 13:20	12/12/22 10:30	Air Canister (6-Liter) #6304
200-66118-6	133-10_39TH_IA-02_20221207	Air	12/08/22 13:20	12/12/22 10:30	Air Canister (6-Liter) #9287

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802 660 1990 fax 802.660 1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing America

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

Client Contact Information	Client Project Manager: ASYA BYCHKOV	Samples Collected By: CELIA MEYER
Company Name: AKRF INC	Phone: 917 569 8916	cmeyer@akrf.com
Address: 440 PARK AVE SOUTH 7th FLOOR	Email: abychkov@akrf.com	
City/State/Zip NEW YORK, NY 10016		
Phone. 646-388-9758	Site Contact: CELIA MEYER	
FAX:	Tel/Fax 215 350 9943	
Project Name: 133-10 39th Ave	Analysis Turnaround Time	
Site/Location: FLUSHING, NY 11354	Standard (Specific):	
P O # 210202	Rush (Specify):	

COC No: 1 of 1 COCs

TALS Project #:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

(See below for Add'l Items)

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-14A (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:
133-10_39th_SV-01_20221207	12/07/2022	12:02	12/08/2022	12:02	-30	-7	8731	5430	X														
133-10_39th_AA-01_20221207	"	12:02	"	12:02	-22	-11	4867	3275	X														
133-10_39th_SV-02_20221207	"	12:49	"	12:49	-30	-5.5	3384	3620	X														
133-10_39th_IA-01_20221207	"	12:50	"	10:28	-22	0	2994	9244	X														
133-10_39th_SV-03_20221207	"	13:42	"	13:20	-29	-5	4529	6304	X														
133-10_39th_IA-02_20221207	"	13:42	"	13:20	-28	-6	3064	9287	X														

200-66118 Chain of Custody

Temperature (Fahrenheit)				
Start	Interior	67°	Ambient	57°
Stop		65		52°

Pressure (inches of Hg)				
Start	Interior	30.16	Ambient	30.16
Stop		30.21		30.21

Special Instructions/QC Requirements & Comments:
Category B deliverables - Standard 5-day TAT

Samples Shipped by: AKRF	Date / Time: 12/08/2022	Samples Received by:	
Samples Relinquished by:	Date / Time: 12/08/22 16:00	Received by:	
Relinquished by:	Date / Time:	Received by:	12/9/22 10:30
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

12/14/2022 (Rev. 1)

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-66118-1

Login Number: 66118
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type
Bottom Rack	10	25	3/16/2022	1249	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5093	1.04	1.04	0	29.1	G26	3/17/22	1202	~	22.0	G26	3/26/22	1136	~	20.0
2	5146	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
3	9216	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
4	4319	1.04	1.04	0	29.7	G26	3/26/22	1210	~	20.0	G26	3/29/22	1520	~	22.0
5	3283	1.04	1.04	0	29.1	G26	3/17/22	1202	~	22.0	G26	3/26/22	1136	~	20.0
6	9277	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
7	4826	"	1.17	1.13	"	G26	"	"	"	"	G26	"	"	"	"
8	2968	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
9	3620	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
10	4342	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
11	3542	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"
12	6306	"	1.04	0	"	G26	"	"	"	"	G26	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
4319	3/21/22	50005	ABL		XXXXXXX				3/21/22	MM

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10	25	4/2/2022	1425	23	23	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3369	1.04	1.04	0	29.7	G26	4/13/22	1157	←	23.0	G26	4/13/22	1120	←	22.0
2	5427		1.04	0		G26					G26				
3	5122		1.04	0		G26					G26				
4	5130		1.04	0		G26					G26				
5	9259		1.04	0		G26					G26				
6	9287	←	1.04	0	←	G26	←	←	←	←	G26	←	←	←	←
7	3004	1.04	1.04	0	29.3	G26	4/13/22	1200	←	22.0	G26	4/14/22	1307	←	22.0
8	5636	1.04	1.04	0	29.7	G26	4/13/22	1157	←	22.0	G26	4/13/22	1120	←	22.0
9	2919		1.04	0		G26					G26				
10	4829		1.04	0		G26					G26				
11	5124		1.04	0		G26					G26				
12	5138	←	1.04	0	←	G26	←	←	←	←	G26	←	←	←	←

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
3004	4/5/22	50228	KPI		XXXXXXX				4/5/22	JAB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

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

TestAmerica Burlington

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200-62842-A-7
3004
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 4/2/2022 12:00 AM
200-1601723

Loc: 200
62842
#7 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	10/10/2022	1500		22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	2520	.004	.004	0	29.5	G26	10/12/22	0645	DAB	22	G26	10/13/22	1236	←	22.0
2	6304	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
3	4301	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
4	5681	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
5	3243	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
6	3248	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
7	2597	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
8	5035	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
9	5722	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
10	4324	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
11	34001295	↓	.004	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
12	3265	.004	.004	0	29.7	G26	10/13/22	1316	←	22.0	G26	10/21/22	1223	←	22.0

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☑ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
3265	10/13/22	520826	KPJ		XXXXXXXX				10/13/22	CC

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

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

TestAmerica Burlington

NJ

200-65257-A-12
3265
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/10/2022 12:00 AM 200-1666944

Loc: 200
65257
#12 A
Air-Storag

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Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10	25	10/10/2022	1500	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	2740	1.04	1.04	0	29.7	G26	10/12/22	0645	TJB	22	G26	10/13/22	1211	"	22.0
2	6600		1.04	0		G26					G26				
3	5021		1.04	0		G26					G26				
4	4453		1.04	0		G26					G26				
5	3627		1.22	0.18		G26					G26				
6	5414		1.04	0		G26					G26				
7	9244		1.04	0		G26					G26				
8	4098		1.04	0		G26					G26				
9	5902		1.24	0.20		G26					G26				
10	5646		1.04	0		G26					G26				
11	3285		1.04	0		G26					G26				
12	3278	1.04	1.04	0		G26	10/13/22	1243	"	22.0	G26	10/21/22	1223	"	22.0

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
3278	10/13/22	52825	KPI		XXXXXXX				10/13/22	TJB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

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

TestAmerica Burlington

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200-65260-A-12
3278
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 10/10/2022 12:00 AM 200-1666083

Loc: 200
65260
#12 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	10/17/2022	900	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	2788	.04	.17	.13	29.9	G26	10/18/22	0703	TJB	23	G26	10/24/22	1129	←	22.0
2	4331	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
3	2707	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
4	272	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
5	5430	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
6	5962	.04	.04	0	29.5	G26	10/24/22	1218	←	22.0	G26	10/26/22	1330	←	22.0
7	5466	.04	.24	.20	29.9	G26	10/18/22	0703	TJB	23	G26	10/24/22	1129	←	22.0
8	4908	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
9	3262	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
10	5119	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
11	5711	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
12	4572	↓	.04	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
5962	10/19/22	52905	ABL		XXXXXXX				10/14/22	UTP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	11/17/2022	1430	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5698	104	104	0	29.9	G26	11/18/22	1316		22.0	G26	11/22/22	1321		22.0
2	34001304	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
3	2743	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
4	5603	104	104	0	29.5	G26	11/22/22	1400		22.0	G26	11/26/22	1100		22.0
5	4545	104	104	0	29.9	G26	11/18/22	1316		22.0	G26	11/22/22	1321		22.0
6	4476	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
7	5904	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
8	2789	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
9	3275	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
10	5421	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
11	5114	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"
12	2884	"	104	0	"	G26	"	"	"	"	G26	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
5603	11/22/22	53407	AB1		XXXXXXX				11/22/22	UTA

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

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

Comments:

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

Lab Name: Eurofins Burlington Job No.: 200-62562-1

SDG No.:

Client Sample ID: 4319 Lab Sample ID: 200-62562-4

Matrix: Air Lab File ID: 50005-05.D

Analysis Method: TO-15 Date Collected: 03/16/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/18/2022 13:11

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 177799 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.020
100-42-5	Styrene	0.040	U	0.040	0.0064
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0040
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.018
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.019
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0092
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0076
107-05-1	Allyl chloride	0.10	U	0.10	0.022
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.030
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.038
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0088
108-88-3	Toluene	0.040	U	0.040	0.019
108-90-7	Chlorobenzene	0.040	U	0.040	0.0086
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.24
110-54-3	Hexane	0.10	U	0.10	0.046
110-82-7	Cyclohexane	0.040	U	0.040	0.0070
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.038
123-91-1	1,4-Dioxane	0.040	U	0.040	0.032
124-48-1	Dibromochloromethane	0.040	U	0.040	0.0062
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0054
142-82-5	n-Heptane	0.040	U	0.040	0.012
156-59-2	1,2-Dichloroethene, cis-	0.040	U	0.040	0.0066
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.018
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.016
179601-23-1	m,p-Xylene	0.10	U	0.10	0.034
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0070
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.018
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.0064
593-60-2	Vinyl bromide	0.040	U	0.040	0.017
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.010
64-17-5	Ethanol	1.0	U	1.0	0.13
67-63-0	Isopropanol	1.0	U	1.0	0.20
67-64-1	Acetone	1.0	U	1.0	0.40
67-66-3	Chloroform	0.040	U	0.040	0.0092
71-43-2	Benzene	0.040	U	0.040	0.015

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

Lab Name: Eurofins Burlington Job No.: 200-62562-1

SDG No.:

Client Sample ID: 4319 Lab Sample ID: 200-62562-4

Matrix: Air Lab File ID: 50005-05.D

Analysis Method: TO-15 Date Collected: 03/16/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/18/2022 13:11

Soil Aliquot Vol: Dilution Factor: 0.2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 177799 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0078
74-83-9	Bromomethane	0.040	U	0.040	0.010
74-87-3	Chloromethane	0.10	U	0.10	0.024
75-00-3	Chloroethane	0.10	U	0.10	0.050
75-01-4	Vinyl chloride	0.040	U	0.040	0.0056
75-09-2	Methylene Chloride	0.10	U *+	0.10	0.034
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.012
75-27-4	Bromodichloromethane	0.040	U	0.040	0.0080
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0058
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.0058
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	0.011
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.017
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.034
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.0068
79-01-6	Trichloroethene	0.040	U	0.040	0.0048
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	0.032
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.0062
91-20-3	Naphthalene	0.10	U	0.10	0.034
95-47-6	Xylene, o-	0.040	U	0.040	0.019
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0096
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.014
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.0094

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20220318-50005.b\50005-05.D
Lims ID: 200-62562-A-4
Client ID: 4319
Sample Type: Client
Inject. Date: 18-Mar-2022 13:11:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0050005-005
Operator ID: vtp Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20220318-50005.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 21-Mar-2022 07:49:55 Calib Date: 16-Mar-2022 02:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20220315-49958.b\49958-14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: puangmaleek Date: 21-Mar-2022 07:49:55

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.338				ND	7
	3 Dichlorodifluoromethane	85		4.429				ND	
	4 Chlorodifluoromethane	51		4.472				ND	
	5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.782				ND	
	6 Chloromethane	50		4.900				ND	
	7 Vinyl chloride	62		5.210				ND	
	8 Butane	43		5.221				ND	7
	9 Butadiene	54		5.328				ND	
	10 Bromomethane	94		6.023				ND	
	12 Chloroethane	64		6.285				ND	
	14 Vinyl bromide	106		6.702				ND	
	15 Trichlorofluoromethane	101		6.863				ND	
	17 Ethanol	45	7.211	7.162	0.049	92	1319	0.1810	
	20 1,1-Dichloroethene	96		7.906				ND	
	21 112TCTFE	101		7.944				ND	
	22 Acetone	43		7.944				ND	7
	23 Isopropyl alcohol	45		8.211				ND	7
	24 Carbon disulfide	76		8.329				ND	
	27 3-Chloro-1-propene	41		8.591				ND	
	28 Methylene Chloride	49		8.816				ND	
	29 2-Methyl-2-propanol	59		8.971				ND	
	31 Methyl tert-butyl ether	73		9.308				ND	
	32 trans-1,2-Dichloroethene	61		9.324				ND	
S	33 1,2-Dichloroethene, Total	61		9.665				ND	7
	34 Hexane	57		9.827				ND	
	35 Vinyl acetate	43		10.067				ND	
	36 1,1-Dichloroethane	63		10.078				ND	
	37 2-Butanone (MEK)	72		11.004				ND	
	38 cis-1,2-Dichloroethene	96		11.057				ND	
	39 Ethyl acetate	88		11.095				ND	
*	40 Chlorobromomethane	128	11.469	11.469	0.000	72	104542	10.0	
	41 Tetrahydrofuran	42		11.501				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	42 Chloroform	83		11.640				ND	
	43 1,1,1-Trichloroethane	97		11.956				ND	
	44 Cyclohexane	84		12.111				ND	
	45 Carbon tetrachloride	117		12.245				ND	
	46 Benzene	78		12.576				ND	
	47 1,2-Dichloroethane	62		12.651				ND	
	48 Isooctane	57		12.796				ND	
	49 n-Heptane	43		13.106				ND	
*	50 1,4-Difluorobenzene	114	13.304	13.309	-0.005	93	523264	10.0	
	52 Trichloroethene	95		13.743				ND	
	55 1,2-Dichloropropane	63		14.197				ND	
	56 Methyl methacrylate	69		14.267				ND	
	57 1,4-Dioxane	88		14.310				ND	
	58 Dibromomethane	174		14.352				ND	
	59 Dichlorobromomethane	83		14.657				ND	
	60 cis-1,3-Dichloropropene	75		15.455				ND	
	62 4-Methyl-2-pentanone (MIBK)	43		15.690				ND	
	63 Toluene	92		16.102				ND	
	67 trans-1,3-Dichloropropene	75		16.508				ND	
	68 1,1,2-Trichloroethane	83		16.883				ND	
	69 Tetrachloroethene	166		17.097				ND	7
	70 2-Hexanone	43		17.263				ND	
	71 Chlorodibromomethane	129		17.627				ND	
	72 Ethylene Dibromide	107		17.873				ND	
*	73 Chlorobenzene-d5	117	18.777	18.777	0.000	84	301519	10.0	
	74 Chlorobenzene	112		18.836				ND	
	75 Ethylbenzene	91		19.028				ND	
	76 m-Xylene & p-Xylene	106		19.290				ND	
S	78 Xylenes, Total	106		19.600				ND	7
	79 o-Xylene	106		20.061				ND	
	80 Styrene	104		20.098				ND	
	81 Bromoform	173		20.451				ND	
	82 Isopropylbenzene	105		20.756				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.259				ND	
	85 N-Propylbenzene	91		21.473				ND	
	86 2-Chlorotoluene	91		21.617				ND	
	87 4-Ethyltoluene	105		21.671				ND	
	88 1,3,5-Trimethylbenzene	105		21.762				ND	
	91 tert-Butylbenzene	119		22.243				ND	
	92 1,2,4-Trimethylbenzene	105		22.329				ND	
	93 sec-Butylbenzene	105		22.570				ND	
	94 1,3-Dichlorobenzene	146		22.746				ND	
	95 4-Isopropyltoluene	119		22.784				ND	
	96 1,4-Dichlorobenzene	146		22.891				ND	
	97 Benzyl chloride	91		23.030				ND	
	98 n-Butylbenzene	91		23.340				ND	
	99 1,2-Dichlorobenzene	146		23.372				ND	
	102 1,2,4-Trichlorobenzene	180		25.806				ND	
	103 Hexachlorobutadiene	225		26.047				ND	
	104 Naphthalene	128		26.277				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

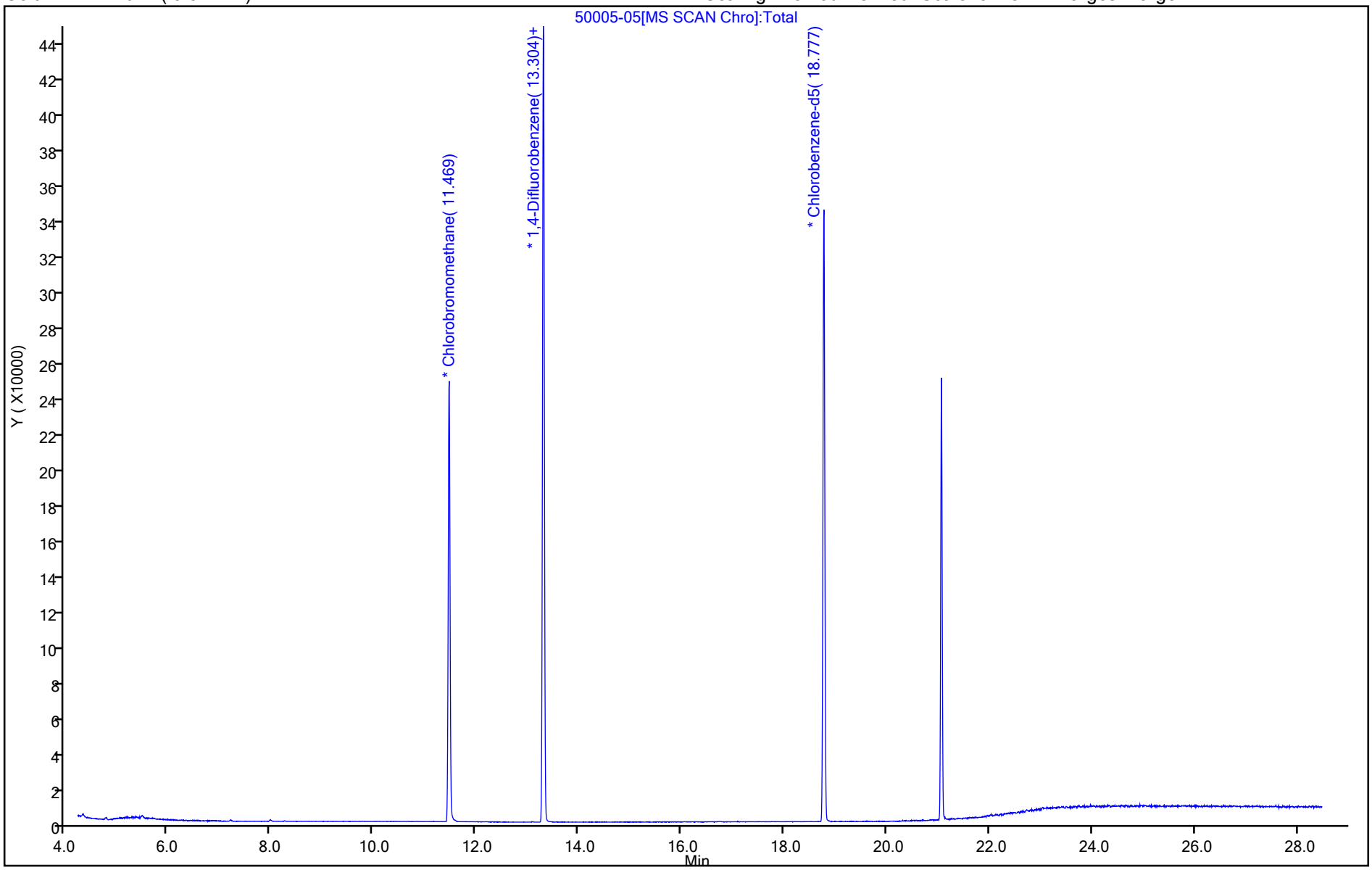
Report Date: 21-Mar-2022 07:49:55 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20220318-50005.b\50005-05.D

Injection Date:	18-Mar-2022 13:11:30	Instrument ID:	CHX.i	Operator ID:	vtp
Lims ID:	200-62562-A-4	Lab Sample ID:	200-62562-4	Worklist Smp#:	5
Client ID:	4319				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

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



Manual Integration/User Assign Peak Report

Eurofins Burlington

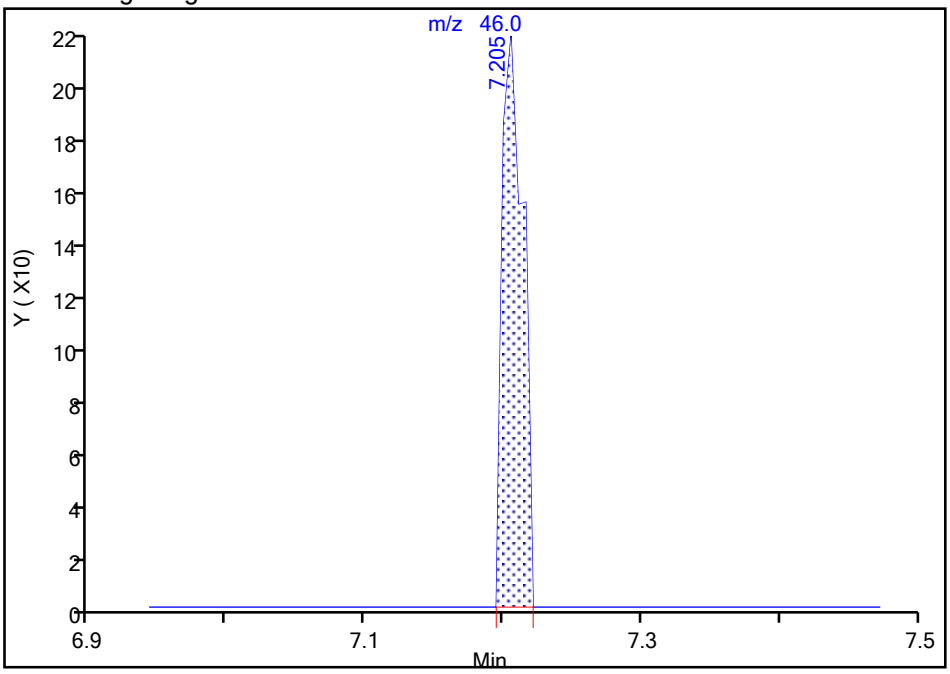
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20220318-50005.b\50005-05.D				
Injection Date:	18-Mar-2022 13:11:30	Instrument ID:	CHX.i		
Lims ID:	200-62562-A-4	Lab Sample ID:	200-62562-4		
Client ID:	4319				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5

Signal: 2

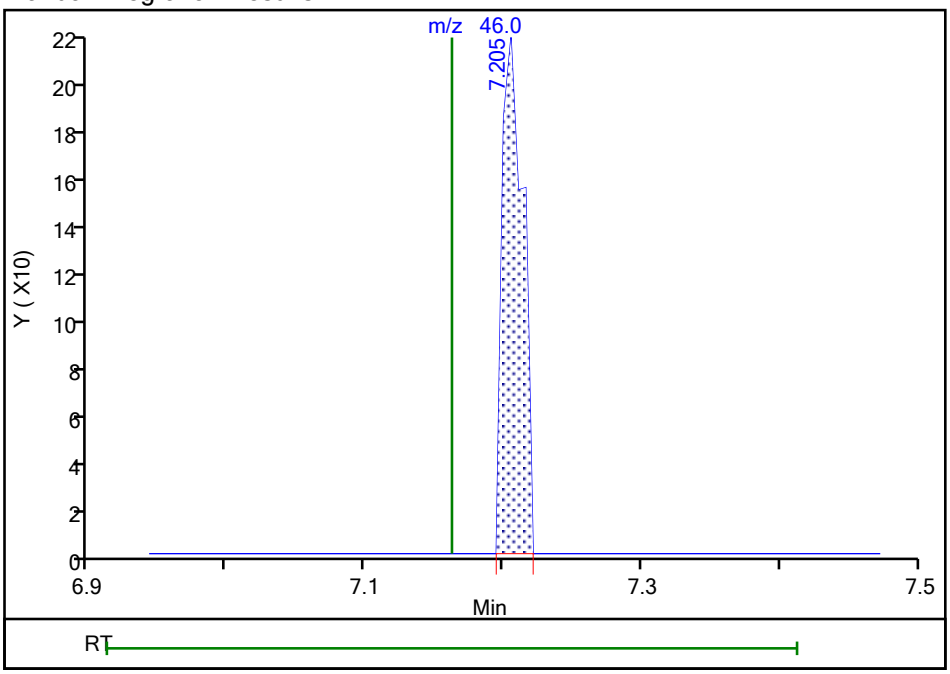
Processing Integration Results

RT: 7.21
Area: 230
Amount: 0.180973
Amount Units: ppb v/v



Manual Integration Results

RT: 7.21
Area: 230
Amount: 0.180973
Amount Units: ppb v/v



Reviewer: puangmaleek, 21-Mar-2022 07:49:34
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.: 200-62842-1

SDG No.:

Client Sample ID: 3004 Lab Sample ID: 200-62842-7

Matrix: Air Lab File ID: 50228-08.D

Analysis Method: TO-15 Date Collected: 04/02/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/04/2022 12:53

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 178346 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.020
100-42-5	Styrene	0.040	U	0.040	0.0064
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0040
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.018
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.019
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0092
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0076
107-05-1	Allyl chloride	0.10	U	0.10	0.022
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.030
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.038
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0088
108-88-3	Toluene	0.040	U	0.040	0.019
108-90-7	Chlorobenzene	0.040	U	0.040	0.0086
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.24
110-54-3	Hexane	0.10	U	0.10	0.046
110-82-7	Cyclohexane	0.040	U	0.040	0.0070
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.038
123-91-1	1,4-Dioxane	0.040	U	0.040	0.032
124-48-1	Dibromochloromethane	0.040	U	0.040	0.0062
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0054
142-82-5	n-Heptane	0.040	U	0.040	0.012
156-59-2	1,2-Dichloroethene, cis-	0.040	U	0.040	0.0066
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.018
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.016
179601-23-1	m,p-Xylene	0.10	U	0.10	0.034
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0070
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.018
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.0064
593-60-2	Vinyl bromide	0.040	U	0.040	0.017
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.010
64-17-5	Ethanol	1.0	U	1.0	0.13
67-63-0	Isopropanol	1.0	U	1.0	0.20
67-64-1	Acetone	1.0	U	1.0	0.40
67-66-3	Chloroform	0.040	U	0.040	0.0092

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

Lab Name: Eurofins Burlington Job No.: 200-62842-1

SDG No.:

Client Sample ID: 3004 Lab Sample ID: 200-62842-7

Matrix: Air Lab File ID: 50228-08.D

Analysis Method: TO-15 Date Collected: 04/02/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/04/2022 12:53

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 178346 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.040	U	0.040	0.015
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0078
74-83-9	Bromomethane	0.040	U	0.040	0.010
74-87-3	Chloromethane	0.10	U	0.10	0.024
75-00-3	Chloroethane	0.10	U	0.10	0.050
75-01-4	Vinyl chloride	0.040	U	0.040	0.0056
75-09-2	Methylene Chloride	0.10	U	0.10	0.034
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.012
75-27-4	Bromodichloromethane	0.040	U	0.040	0.0080
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0058
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.0058
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	0.011
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.017
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.034
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.0068
79-01-6	Trichloroethene	0.040	U	0.040	0.0048
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	0.032
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.0062
91-20-3	Naphthalene	0.10	U	0.10	0.034
95-47-6	Xylene, o-	0.040	U	0.040	0.019
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0096
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.014
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.0094
591-78-6	2-Hexanone	0.10	U	0.10	0.040

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20220404-50228.b\50228-08.D
Lims ID: 200-62842-A-7
Client ID: 3004
Sample Type: Client
Inject. Date: 04-Apr-2022 12:53:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0050228-008
Misc. Info.: 62842-7
Operator ID: vtp Instrument ID: CHX.i

Method: \\chromfs\Burlington\ChromData\CHX.i\20220404-50228.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 05-Apr-2022 08:53:08 Calib Date: 16-Mar-2022 02:35:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20220315-49958.b\49958-14.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: puangmaleek Date: 05-Apr-2022 08:53:08

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.333				ND	U
	3 Dichlorodifluoromethane	85		4.424				ND	
	4 Chlorodifluoromethane	51		4.461				ND	7
	5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.777				ND	
	6 Chloromethane	50		4.894				ND	7
	7 Vinyl chloride	62		5.205				ND	
	8 Butane	43		5.210				ND	7
	9 Butadiene	54		5.317				ND	
	10 Bromomethane	94		6.018				ND	
	12 Chloroethane	64		6.280				ND	
	14 Vinyl bromide	106		6.692				ND	
	15 Trichlorofluoromethane	101		6.852				ND	
	17 Ethanol	45		7.157				ND	U
	20 1,1-Dichloroethene	96		7.901				ND	
	22 Acetone	43		7.938				ND	
	21 112TCTFE	101		7.938				ND	
	23 Isopropyl alcohol	45		8.200				ND	
	24 Carbon disulfide	76		8.323				ND	7
	27 3-Chloro-1-propene	41		8.586				ND	
	28 Methylene Chloride	49		8.810				ND	
	29 2-Methyl-2-propanol	59		8.965				ND	
	31 Methyl tert-butyl ether	73		9.297				ND	
	32 trans-1,2-Dichloroethene	61		9.319				ND	
S	33 1,2-Dichloroethene, Total	61		9.665				ND	7
	34 Hexane	57		9.821				ND	
	35 Vinyl acetate	43		10.062				ND	
	36 1,1-Dichloroethane	63		10.067				ND	
	37 2-Butanone (MEK)	72		10.998				ND	
	38 cis-1,2-Dichloroethene	96		11.052				ND	
	39 Ethyl acetate	88		11.089				ND	
*	40 Chlorobromomethane	128	11.469	11.464	0.005	73	116087	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Tetrahydrofuran	42		11.496				ND	
	42 Chloroform	83		11.635				ND	
	43 1,1,1-Trichloroethane	97		11.951				ND	
	44 Cyclohexane	84		12.106				ND	
	45 Carbon tetrachloride	117		12.239				ND	
	46 Benzene	78		12.571				ND	
	47 1,2-Dichloroethane	62		12.646				ND	
	48 Isooctane	57		12.790				ND	
	49 n-Heptane	43		13.101				ND	
*	50 1,4-Difluorobenzene	114	13.304	13.304	0.000	93	598208	10.0	
	52 Trichloroethene	95		13.743				ND	
	55 1,2-Dichloropropane	63		14.192				ND	
	56 Methyl methacrylate	69		14.262				ND	
	57 1,4-Dioxane	88		14.304				ND	
	58 Dibromomethane	174		14.347				ND	
	59 Dichlorobromomethane	83		14.652				ND	
	60 cis-1,3-Dichloropropene	75		15.455				ND	
	62 4-Methyl-2-pentanone (MIBK)	43		15.685				ND	
	63 Toluene	92		16.097				ND	
	67 trans-1,3-Dichloropropene	75		16.503				ND	
	68 1,1,2-Trichloroethane	83		16.883				ND	
	69 Tetrachloroethene	166		17.092				ND	
	70 2-Hexanone	43		17.263				ND	
	71 Chlorodibromomethane	129		17.627				ND	
	72 Ethylene Dibromide	107		17.867				ND	
*	73 Chlorobenzene-d5	117	18.771	18.771	0.000	84	332321	10.0	
	74 Chlorobenzene	112		18.830				ND	
	75 Ethylbenzene	91		19.023				ND	7
	76 m-Xylene & p-Xylene	106		19.285				ND	
S	78 Xylenes, Total	106		19.600				ND	7
	79 o-Xylene	106		20.055				ND	
	80 Styrene	104		20.093				ND	
	81 Bromoform	173		20.446				ND	
	82 Isopropylbenzene	105		20.751				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.259				ND	
	85 N-Propylbenzene	91		21.468				ND	
	86 2-Chlorotoluene	91		21.617				ND	
	87 4-Ethyltoluene	105		21.666				ND	
	88 1,3,5-Trimethylbenzene	105		21.762				ND	
	91 tert-Butylbenzene	119		22.243				ND	
	92 1,2,4-Trimethylbenzene	105		22.329				ND	
	93 sec-Butylbenzene	105		22.570				ND	
	94 1,3-Dichlorobenzene	146		22.741				ND	
	95 4-Isopropyltoluene	119		22.784				ND	
	96 1,4-Dichlorobenzene	146		22.885				ND	
	97 Benzyl chloride	91		23.024				ND	
	98 n-Butylbenzene	91		23.340				ND	
	99 1,2-Dichlorobenzene	146		23.367				ND	
	102 1,2,4-Trichlorobenzene	180		25.801				ND	
	103 Hexachlorobutadiene	225		26.047				ND	
	104 Naphthalene	128		26.277				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

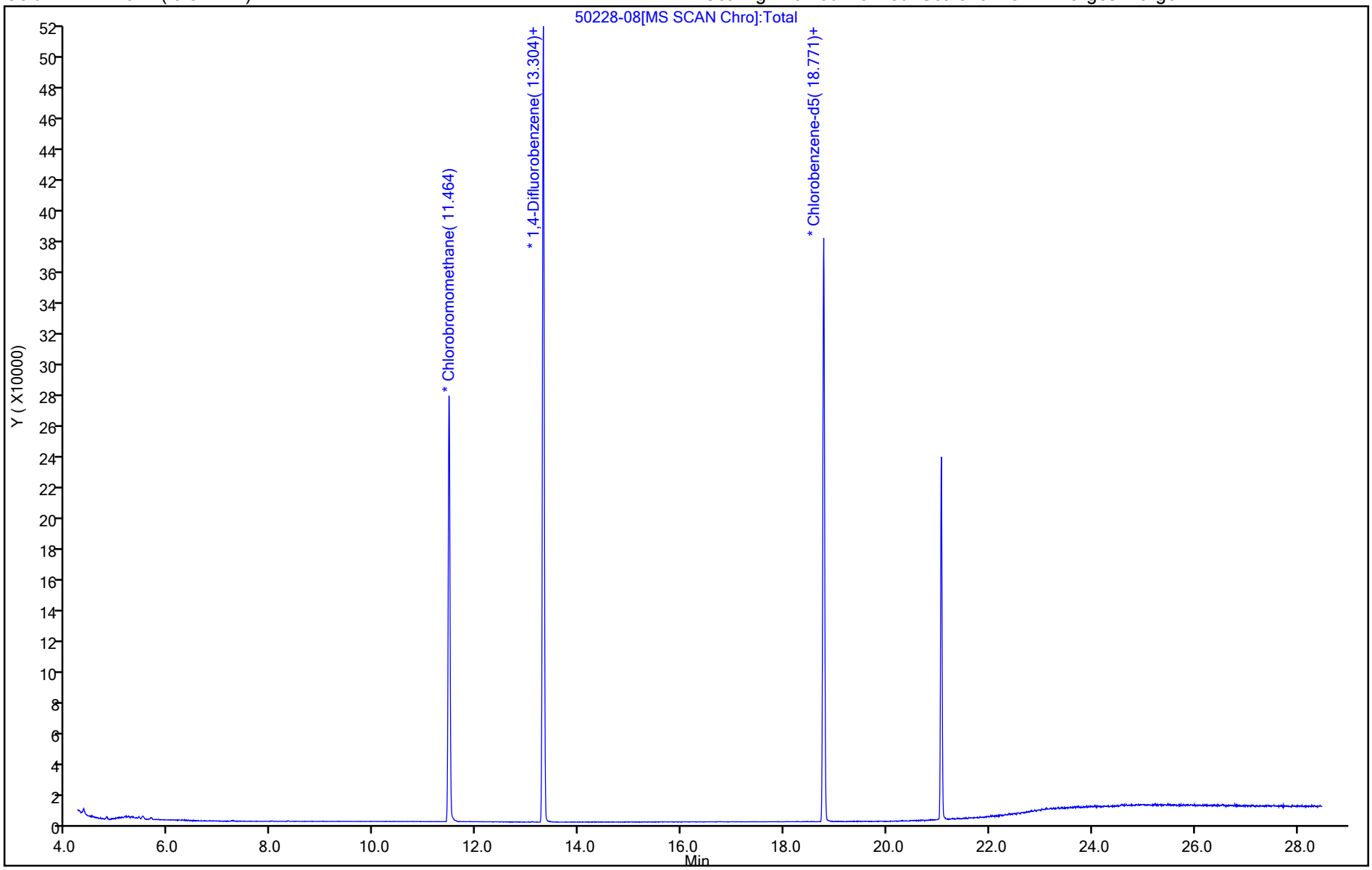
Report Date: 05-Apr-2022 08:53:09 Chrom Revision: 2.3 18-Mar-2022 09:07:22

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20220404-50228.b\50228-08.D

Injection Date:	04-Apr-2022 12:53:30	Instrument ID:	CHX.i	Operator ID:	vtp
Lims ID:	200-62842-A-7	Lab Sample ID:	200-62842-7	Worklist Smp#:	8
Client ID:	3004				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

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



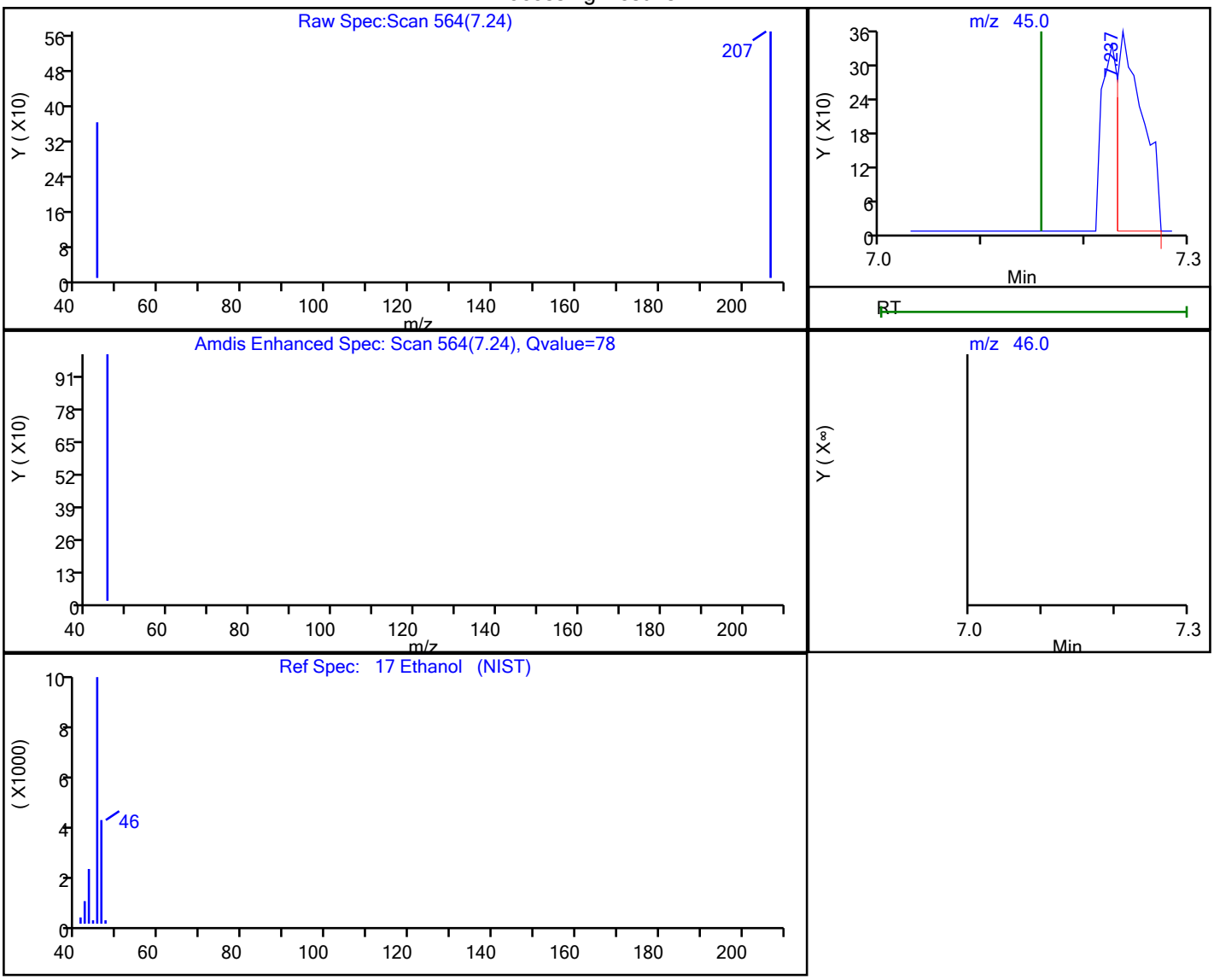
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHX.i\20220404-50228.b\50228-08.D				
Injection Date:	04-Apr-2022 12:53:30	Instrument ID:	CHX.i		
Lims ID:	200-62842-A-7	Lab Sample ID:	200-62842-7		
Client ID:	3004				
Operator ID:	vtp	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5

Processing Results



RT	Mass	Response	Amount
7.24	45.00	620	0.076607
7.16	46.00	0	

Reviewer: puangmaleek, 05-Apr-2022 08:52:52

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.: 200-65257-1

SDG No.:

Client Sample ID: 3265 Lab Sample ID: 200-65257-12

Matrix: Air Lab File ID: 52826-005.d

Analysis Method: TO-15 Date Collected: 10/10/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/12/2022 10:58

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184583 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.020
100-42-5	Styrene	0.040	U	0.040	0.0064
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0040
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.018
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.019
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0092
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0076
107-05-1	Allyl chloride	0.10	U	0.10	0.022
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.030
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.038
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0088
108-88-3	Toluene	0.040	U	0.040	0.019
108-90-7	Chlorobenzene	0.040	U	0.040	0.0086
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.24
110-54-3	Hexane	0.10	U	0.10	0.046
110-82-7	Cyclohexane	0.040	U	0.040	0.0070
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.038
123-91-1	1,4-Dioxane	0.040	U	0.040	0.032
124-48-1	Dibromochloromethane	0.040	U	0.040	0.0062
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0054
142-82-5	n-Heptane	0.040	U	0.040	0.012
156-59-2	1,2-Dichloroethene, cis-	0.040	U	0.040	0.0066
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.018
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.016
179601-23-1	m,p-Xylene	0.10	U	0.10	0.034
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0070
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.018
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.0064
593-60-2	Vinyl bromide	0.040	U	0.040	0.017
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.010
64-17-5	Ethanol	1.0	U	1.0	0.13
67-63-0	Isopropanol	1.0	U	1.0	0.20
67-64-1	Acetone	1.0	U	1.0	0.40
67-66-3	Chloroform	0.040	U	0.040	0.0092

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

Lab Name: Eurofins Burlington Job No.: 200-65257-1

SDG No.:

Client Sample ID: 3265 Lab Sample ID: 200-65257-12

Matrix: Air Lab File ID: 52826-005.d

Analysis Method: TO-15 Date Collected: 10/10/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/12/2022 10:58

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184583 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.040	U	0.040	0.015
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0078
74-83-9	Bromomethane	0.040	U	0.040	0.010
74-87-3	Chloromethane	0.10	U	0.10	0.024
75-00-3	Chloroethane	0.10	U	0.10	0.050
75-01-4	Vinyl chloride	0.040	U	0.040	0.0056
75-09-2	Methylene Chloride	0.10	U	0.10	0.034
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.012
75-27-4	Bromodichloromethane	0.040	U	0.040	0.0080
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0058
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.0058
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	0.011
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.017
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.034
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.0068
79-01-6	Trichloroethene	0.040	U	0.040	0.0048
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	0.032
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.0062
91-20-3	Naphthalene	0.10	U	0.10	0.034
95-47-6	Xylene, o-	0.040	U	0.040	0.019
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0096
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.014
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.0094
591-78-6	2-Hexanone	0.10	U	0.10	0.040

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20221012-52826.b\52826-005.d
Lims ID: 200-65257-A-12
Client ID: 3265
Sample Type: Client
Inject. Date: 12-Oct-2022 10:58:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0052826-005
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20221012-52826.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Oct-2022 09:08:04 Calib Date: 09-Jul-2022 01:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20220708-51593.b\51593-013.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: puangmaleek Date: 13-Oct-2022 09:08:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.062				ND	
	2 Dichlorodifluoromethane	85		4.158				ND	
	3 Chlorodifluoromethane	51		4.196				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.501				ND	
	5 Chloromethane	50		4.618				ND	7
	6 Vinyl chloride	62		4.913				ND	
	7 Butane	43		4.918				ND	7
	8 Butadiene	54		5.025				ND	
	9 Bromomethane	94		5.731				ND	
	10 Chloroethane	64		5.999				ND	
	13 Vinyl bromide	106		6.410				ND	
	14 Trichlorofluoromethane	101		6.576				ND	
	16 Ethanol	45		6.951				ND	7
	20 1,1-Dichloroethene	96		7.630				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.673				ND	
	22 Acetone	43		7.716				ND	7
	23 Isopropyl alcohol	45		8.015				ND	
	24 Carbon disulfide	76	8.037	8.037	0.006	55	2596	0.0439	M
	26 3-Chloro-1-propene	41		8.326				ND	7
	27 Methylene Chloride	49		8.556				ND	7
	28 2-Methyl-2-propanol	59		8.775				ND	
	30 trans-1,2-Dichloroethene	61		9.053				ND	
	31 Methyl tert-butyl ether	73		9.069				ND	7
	32 Hexane	57		9.561				ND	
	33 1,1-Dichloroethane	63		9.802				ND	
	34 Vinyl acetate	43		9.824				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	36 2-Butanone (MEK)	72		10.770				ND	
	37 cis-1,2-Dichloroethene	96		10.792				ND	7
	38 Ethyl acetate	88		10.861				ND	
*	39 Chlorobromomethane	128	11.204	11.204	0.000	71	173471	10.0	
	40 Tetrahydrofuran	42		11.257				ND	7

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	41 Chloroform	83		11.380				ND	
	42 1,1,1-Trichloroethane	97		11.685				ND	
	43 Cyclohexane	84		11.830				ND	
	44 Carbon tetrachloride	117		11.963				ND	
	45 Benzene	78		12.306				ND	7
	46 1,2-Dichloroethane	62		12.381				ND	
	47 Isooctane	57		12.531				ND	
	48 n-Heptane	43		12.841				ND	7
*	49 1,4-Difluorobenzene	114	13.050	13.049	0.001	95	899523	10.0	
	51 Trichloroethene	95		13.472				ND	
	53 1,2-Dichloropropane	63		13.932				ND	
	54 Methyl methacrylate	69		14.023				ND	
	55 1,4-Dioxane	88		14.071				ND	
	57 Dibromomethane	174		14.082				ND	7
	58 Dichlorobromomethane	83		14.398				ND	
	59 cis-1,3-Dichloropropene	75		15.200				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.468				ND	7
	62 Toluene	92		15.837				ND	7
	66 trans-1,3-Dichloropropene	75		16.254				ND	
	67 1,1,2-Trichloroethane	83		16.628				ND	
	68 Tetrachloroethene	166		16.826				ND	
	69 2-Hexanone	43		17.046				ND	
	70 Chlorodibromomethane	129		17.361				ND	
	71 Ethylene Dibromide	107		17.602				ND	
*	73 Chlorobenzene-d5	117	18.512	18.511	0.001	92	698372	10.0	
	74 Chlorobenzene	112		18.570				ND	
	75 Ethylbenzene	91		18.768				ND	7
	76 m-Xylene & p-Xylene	106		19.030				ND	
	78 o-Xylene	106		19.806				ND	
	79 Styrene	104		19.838				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	81 Bromoform	173		20.197				ND	7
	82 Isopropylbenzene	105		20.528				ND	7
	83 1,1,2,2-Tetrachloroethane	83		21.063				ND	7
	85 N-Propylbenzene	91		21.267				ND	7
	86 2-Chlorotoluene	91		21.416				ND	7
	87 4-Ethyltoluene	105		21.475				ND	7
	88 1,3,5-Trimethylbenzene	105		21.572				ND	7
	91 tert-Butylbenzene	119		22.058				ND	
	92 1,2,4-Trimethylbenzene	105		22.149				ND	7
	93 sec-Butylbenzene	105		22.390				ND	7
	94 1,3-Dichlorobenzene	146	22.567	22.561	0.006	1	985	0.0128	
	95 4-Isopropyltoluene	119		22.609				ND	7
	96 1,4-Dichlorobenzene	146	22.706	22.706	0.000	29	782	0.0107	
	97 Benzyl chloride	91		22.855				ND	7
	98 n-Butylbenzene	91		23.166				ND	7
	99 1,2-Dichlorobenzene	146	23.193	23.187	0.006	12	1111	0.0140	
	102 1,2,4-Trichlorobenzene	180		25.568				ND	7
	103 Hexachlorobutadiene	225		25.814				ND	7
	104 Naphthalene	128		26.028				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15WISs_00009	Amount Added:	20.00	Units: mL	Run Reagent

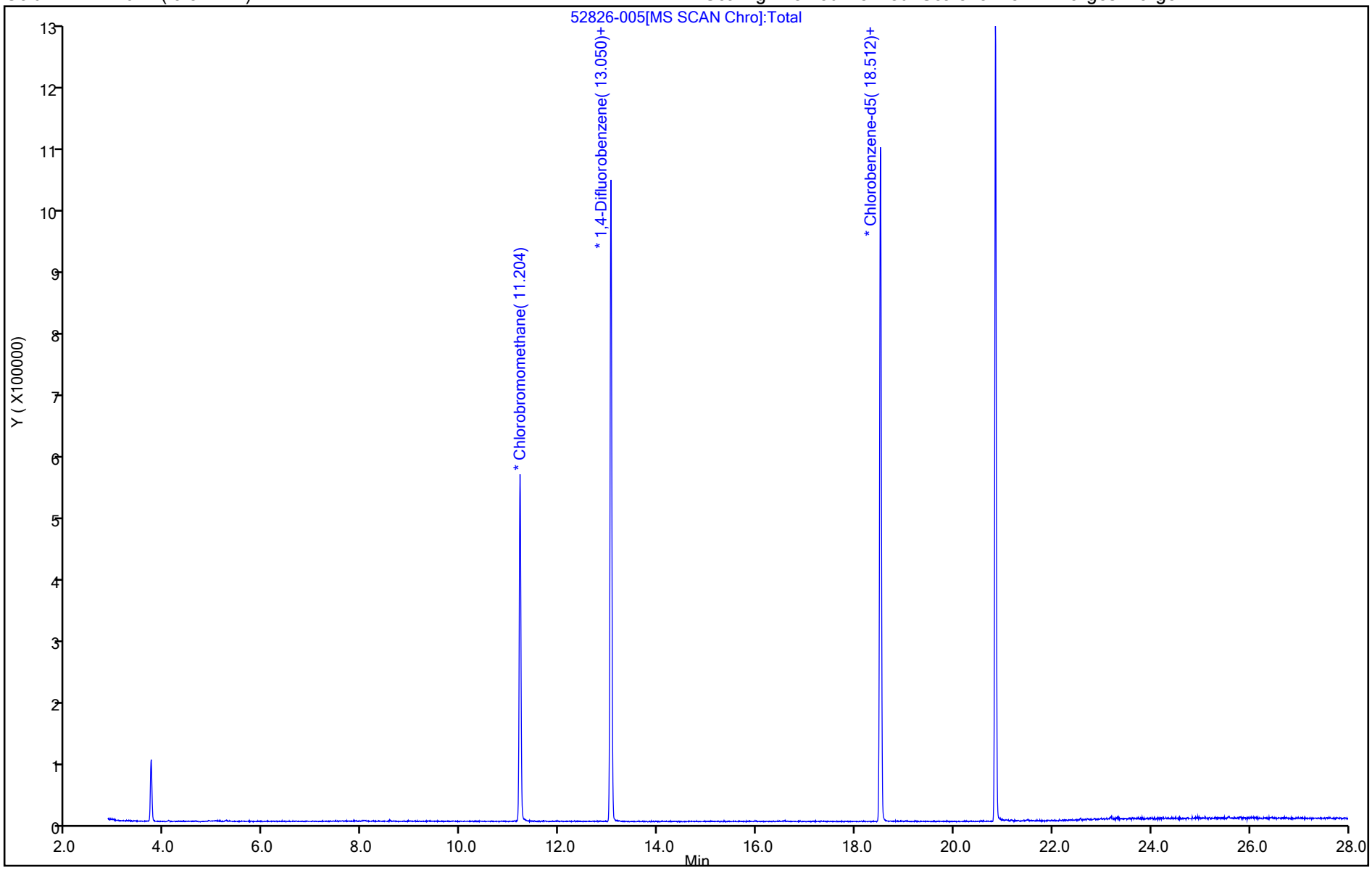
Report Date: 13-Oct-2022 09:08:04 Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20221012-52826.b\52826-005.d

Injection Date:	12-Oct-2022 10:58:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-65257-A-12	Lab Sample ID:	200-65257-12	Worklist Smp#:	5
Client ID:	3265				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	4
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

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



Eurofins Burlington

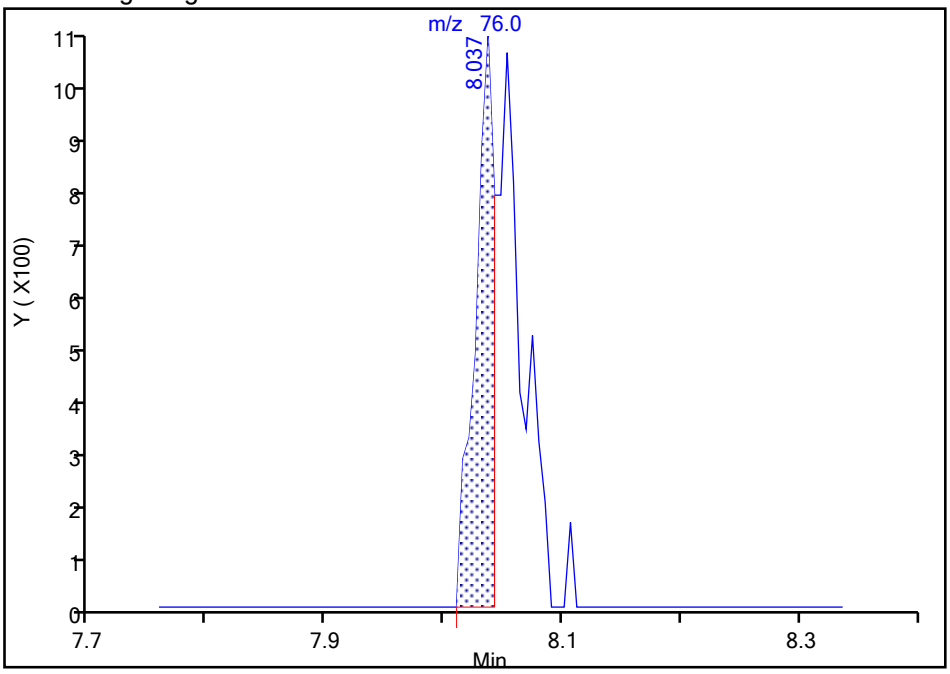
Data File:	\\chromfs\Burlington\ChromData\CHW.i\20221012-52826.b\52826-005.d				
Injection Date:	12-Oct-2022 10:58:30	Instrument ID:	CHW.i		
Lims ID:	200-65257-A-12	Lab Sample ID:	200-65257-12		
Client ID:	3265				
Operator ID:	vtp	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

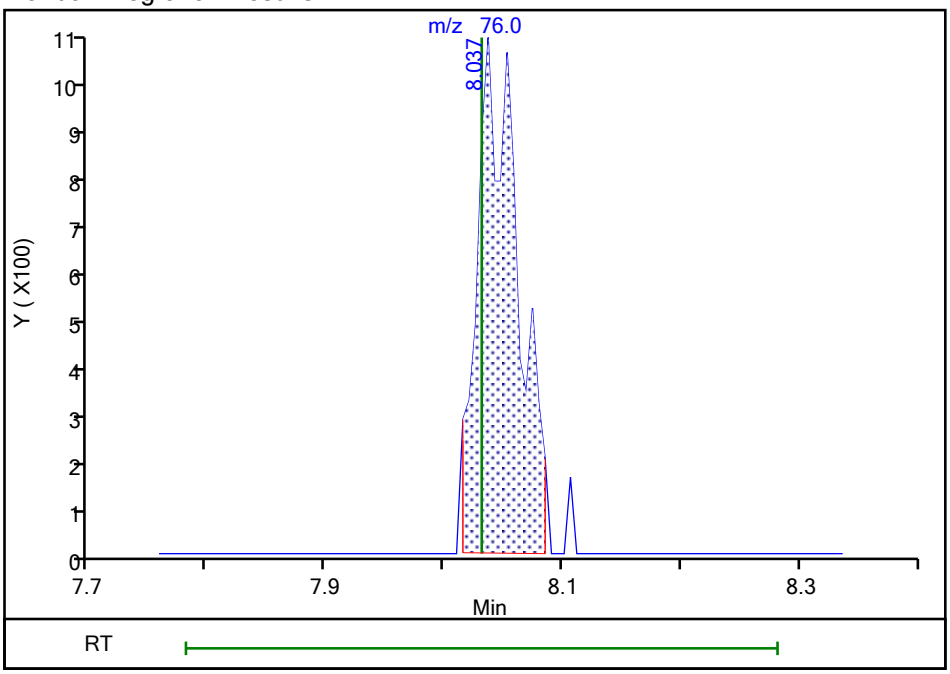
Processing Integration Results

RT: 8.04
Area: 1207
Amount: 0.020396
Amount Units: ppb v/v



Manual Integration Results

RT: 8.04
Area: 2596
Amount: 0.043868
Amount Units: ppb v/v



Reviewer: puangmaleek, 13-Oct-2022 09:07:36
Audit Action: Manually Integrated Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-65260-1

SDG No.:

Client Sample ID: 3278 Lab Sample ID: 200-65260-12

Matrix: Air Lab File ID: 200-52825-006.D

Analysis Method: TO-15 Date Collected: 10/10/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/12/2022 11:39

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184582 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65260-1

SDG No.:

Client Sample ID: 3278 Lab Sample ID: 200-65260-12

Matrix: Air Lab File ID: 200-52825-006.D

Analysis Method: TO-15 Date Collected: 10/10/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/12/2022 11:39

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184582 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65260-1

SDG No.:

Client Sample ID: 3278 Lab Sample ID: 200-65260-12

Matrix: Air Lab File ID: 200-52825-006.D

Analysis Method: TO-15 Date Collected: 10/10/2022 00:00

Sample wt/vol: 1000 (mL) Date Analyzed: 10/12/2022 11:39

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184582 Units: ppb v/v

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\20221012-52825.b\200-52825-006.D
Lims ID: 200-65260-A-12
Client ID: 3278
Sample Type: Client
Inject. Date: 12-Oct-2022 11:39:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0052825-006
Misc. Info.: 65620-12
Operator ID: vtp Instrument ID: CHG.i

Method: \\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Oct-2022 08:46:28 Calib Date: 27-Sep-2022 01:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHG.i\20220926-52592.b\200-52592-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1639

First Level Reviewer: puangmaleek Date: 13-Oct-2022 08:46:28

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		3.115				ND	7
	2 Dichlorodifluoromethane	85		3.174				ND	
	3 Chlorodifluoromethane	51		3.201				ND	7
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.399				ND	
	5 Chloromethane	50		3.479				ND	7
	7 Butane	43		3.688				ND	
	6 Vinyl chloride	62		3.688				ND	
	8 Butadiene	54		3.763				ND	
	9 Bromomethane	94		4.271				ND	
	10 Chloroethane	64		4.469				ND	
	12 Vinyl bromide	106		4.795				ND	
	13 Trichlorofluoromethane	101		4.918				ND	
	15 Ethanol	45		5.228				ND	
	18 1,1-Dichloroethene	96		5.828				ND	7
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.854				ND	
	19 Acetone	43		5.902				ND	7
	22 Isopropyl alcohol	45		6.170				ND	
	23 Carbon disulfide	76		6.207				ND	7
	25 3-Chloro-1-propene	41		6.470				ND	
	26 Methylene Chloride	49		6.689				ND	7
	27 2-Methyl-2-propanol	59		6.914				ND	
	29 trans-1,2-Dichloroethene	61		7.170				ND	
	30 Methyl tert-butyl ether	73		7.186				ND	
	31 Hexane	57		7.673				ND	
	32 1,1-Dichloroethane	63		7.930				ND	
	33 Vinyl acetate	43		7.941				ND	
	34 2-Butanone (MEK)	72		8.909				ND	
	35 cis-1,2-Dichloroethene	96		8.920				ND	
	36 Ethyl acetate	88		8.989				ND	
*	37 Chlorobromomethane	128	9.342	9.342	0.000	75	239642	10.0	
	38 Tetrahydrofuran	42		9.407				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
39 Chloroform	83		9.524				ND	
S 43 1,2-Dichloroethene, Total	61		9.665				ND	7
40 1,1,1-Trichloroethane	97		9.845				ND	
41 Cyclohexane	84		9.984				ND	
42 Carbon tetrachloride	117		10.134				ND	
44 Benzene	78	10.514	10.525	0.000	88	2253	0.0308	
45 1,2-Dichloroethane	62		10.600				ND	
46 Isooctane	57		10.755				ND	
47 n-Heptane	43		11.102				ND	7
* 48 1,4-Difluorobenzene	114	11.338	11.332	0.006	93	1222320	10.0	
50 Trichloroethene	95		11.814				ND	
51 1,2-Dichloropropane	63		12.333				ND	
54 Methyl methacrylate	69		12.456				ND	
53 Dibromomethane	174		12.499				ND	7
55 1,4-Dioxane	88		12.504				ND	
56 Dichlorobromomethane	83		12.852				ND	
58 cis-1,3-Dichloropropene	75		13.740				ND	
59 4-Methyl-2-pentanone (MIBK)	43		14.061				ND	
60 Toluene	92	14.430	14.430	-0.005	35	1663	0.0334	M
65 trans-1,3-Dichloropropene	75		14.890				ND	
66 1,1,2-Trichloroethane	83		15.291				ND	
67 Tetrachloroethene	166		15.494				ND	
68 2-Hexanone	43		15.773				ND	7
69 Chlorodibromomethane	129		16.072				ND	
70 Ethylene Dibromide	107		16.324				ND	
* 71 Chlorobenzene-d5	117	17.297	17.297	0.000	84	975257	10.0	
72 Chlorobenzene	112		17.362				ND	
73 Ethylbenzene	91	17.581	17.570	0.011	93	4151	0.0373	
74 m-Xylene & p-Xylene	106		17.848				ND	
76 o-Xylene	106	18.656	18.656	-0.006	95	1641	0.0380	M
77 Styrene	104		18.704				ND	7
78 Bromoform	173		19.068				ND	
79 Isopropylbenzene	105		19.416				ND	7
S 82 Xylenes, Total	106				0		0.0380	
80 1,1,2,2-Tetrachloroethane	83		19.972				ND	7
83 N-Propylbenzene	91		20.181				ND	7
84 2-Chlorotoluene	91		20.325				ND	7
85 4-Ethyltoluene	105		20.384				ND	7
86 1,3,5-Trimethylbenzene	105		20.486				ND	7
89 tert-Butylbenzene	119		20.989				ND	7
90 1,2,4-Trimethylbenzene	105		21.080				ND	MU
91 sec-Butylbenzene	105		21.326				ND	7
92 1,3-Dichlorobenzene	146		21.497				ND	MU
93 4-Isopropyltoluene	119		21.545				ND	7
94 1,4-Dichlorobenzene	146		21.641				ND	7
95 Benzyl chloride	91		21.796				ND	7
97 n-Butylbenzene	91		22.112				ND	7
96 1,2-Dichlorobenzene	146		22.139				ND	7
100 1,2,4-Trichlorobenzene	180	24.616	24.605	0.011	67	2044	0.0278	
101 Hexachlorobutadiene	225		24.856				ND	7
102 Naphthalene	128	25.108	25.108	0.016	82	3818	0.0288	M

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

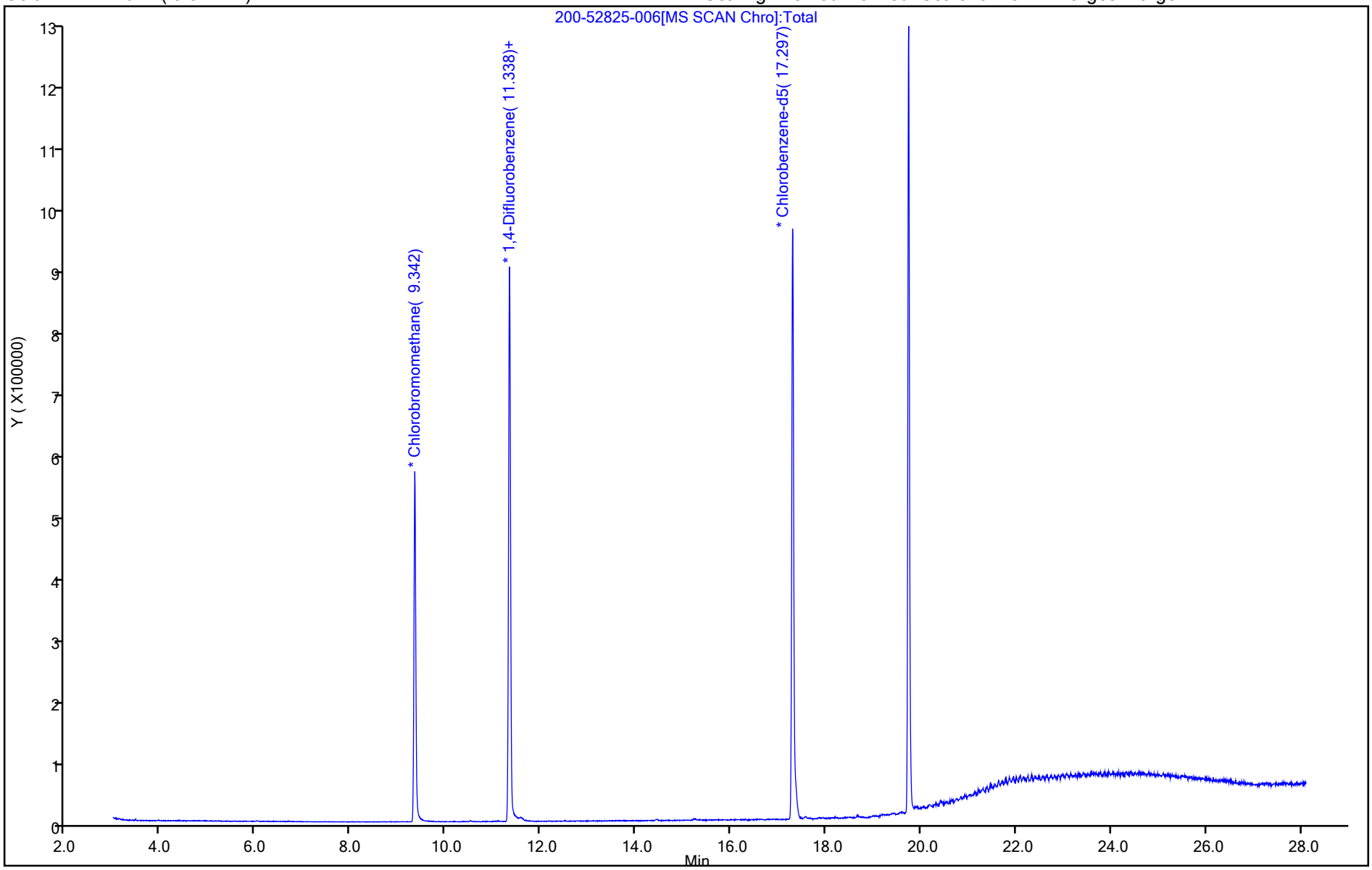
Report Date: 13-Oct-2022 08:46:28 Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D

Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i	Operator ID:	vtp
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12	Worklist Smp#:	6
Client ID:	3278				
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

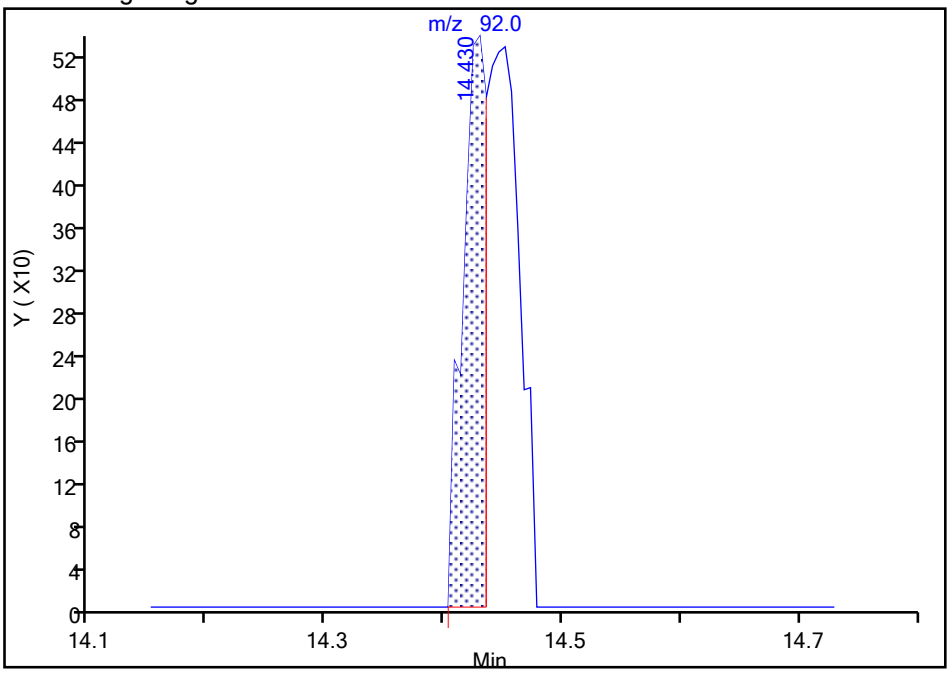
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D				
Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i		
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12		
Client ID:	3278				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

60 Toluene, CAS: 108-88-3

Signal: 1

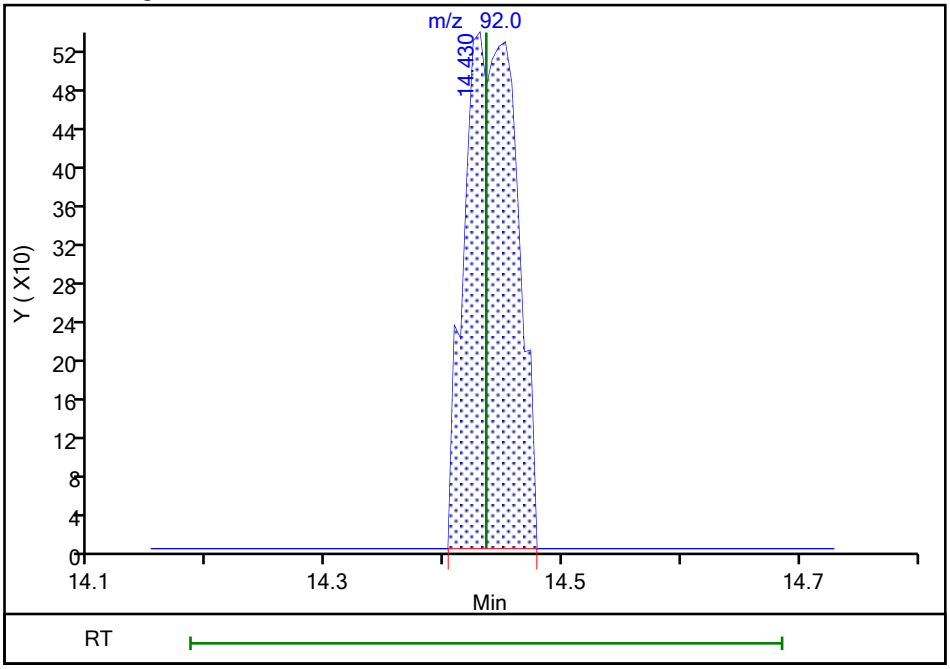
Processing Integration Results

RT: 14.43
Area: 763
Amount: 0.015310
Amount Units: ppb v/v



Manual Integration Results

RT: 14.43
Area: 1663
Amount: 0.033370
Amount Units: ppb v/v



Reviewer: puangmaleek, 13-Oct-2022 08:45:43
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

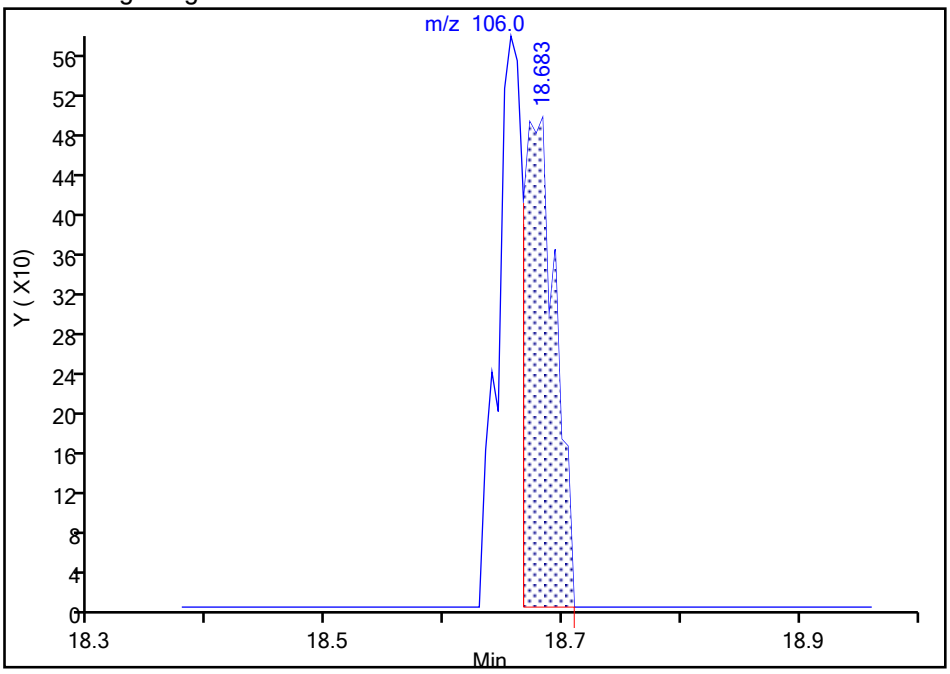
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D				
Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i		
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12		
Client ID:	3278				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	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

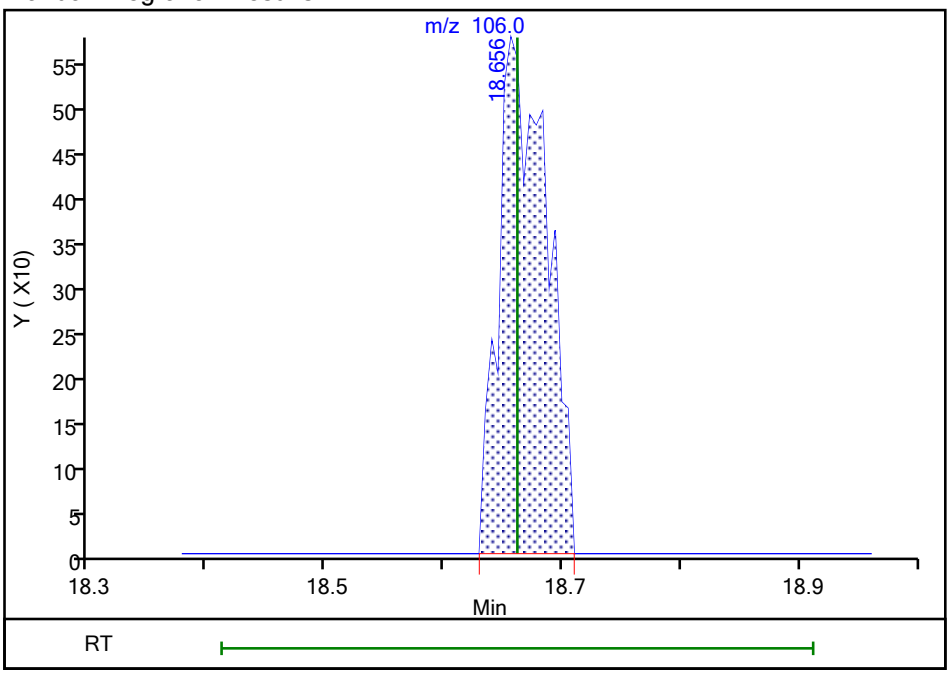
Processing Integration Results

RT: 18.68
Area: 918
Amount: 0.021234
Amount Units: ppb v/v



Manual Integration Results

RT: 18.66
Area: 1641
Amount: 0.037958
Amount Units: ppb v/v



Reviewer: puangmaleek, 13-Oct-2022 08:46:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

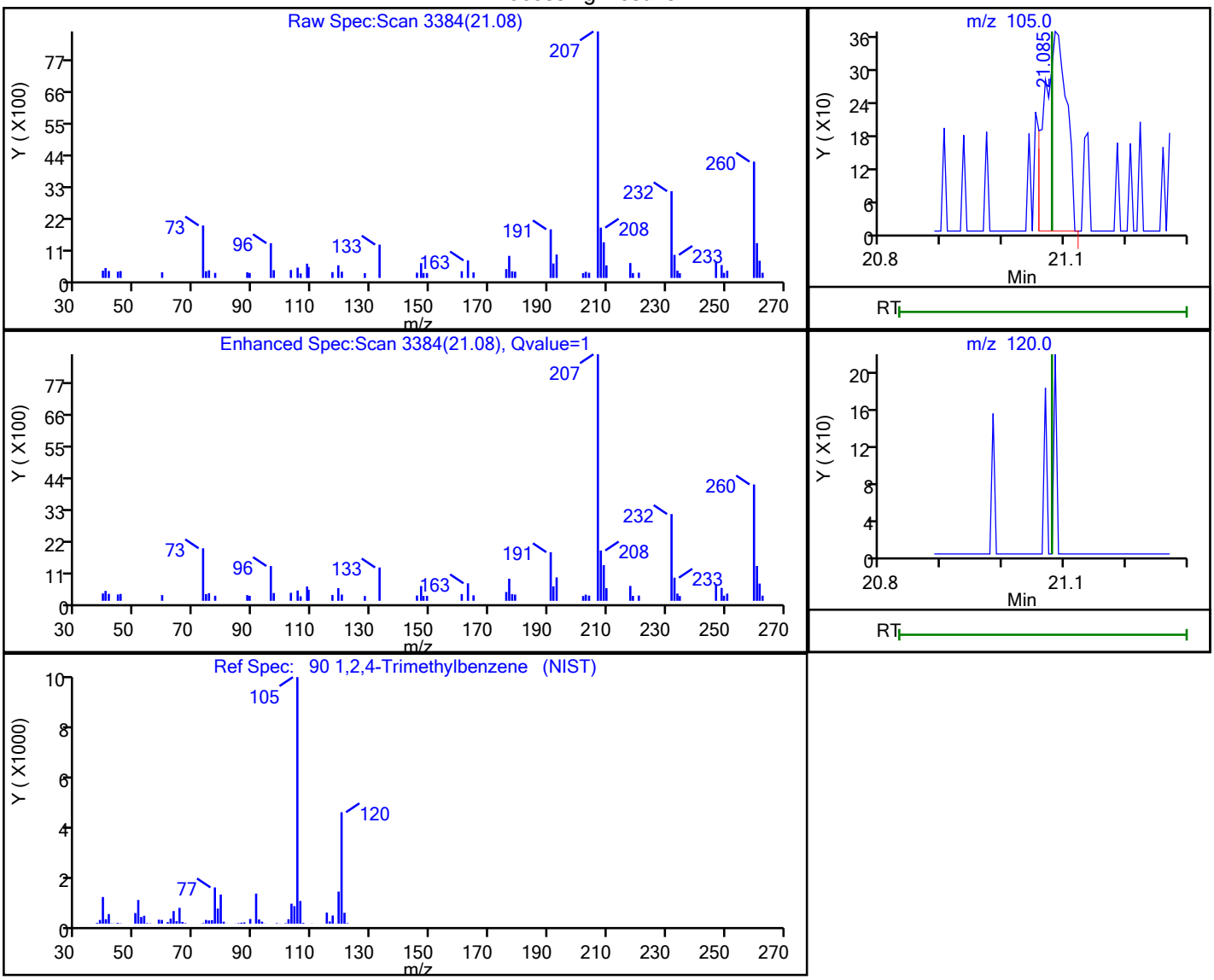
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D				
Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i		
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12		
Client ID:	3278				
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
21.08	105.00	904	0.009130
21.08	120.00	0	

Reviewer: puangmaleek, 13-Oct-2022 08:46:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

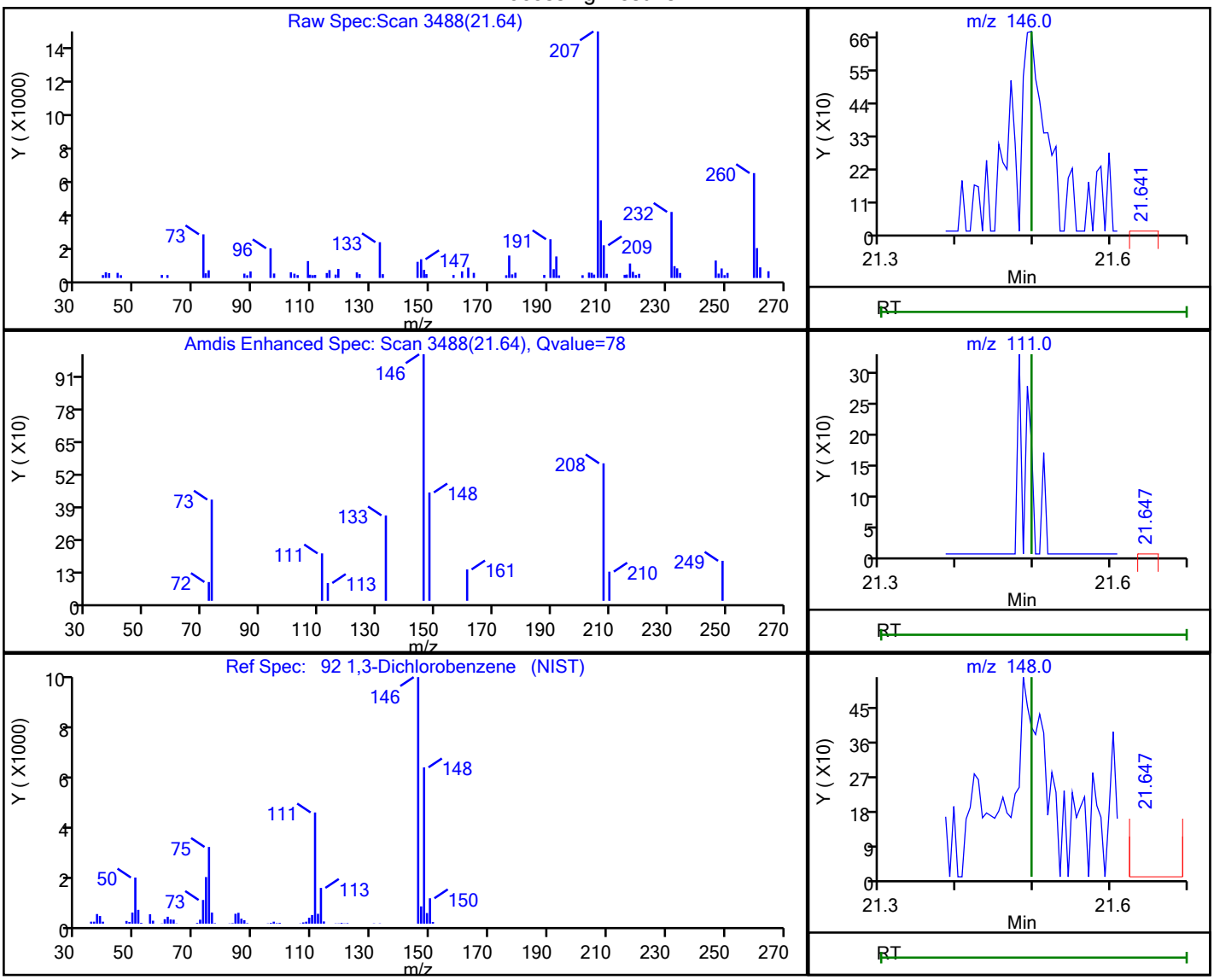
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D				
Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i		
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12		
Client ID:	3278				
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
21.64	146.00	1370	0.016390
21.65	111.00	239	
21.65	148.00	1463	

Reviewer: puangmaleek, 13-Oct-2022 08:46:19

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Burlington

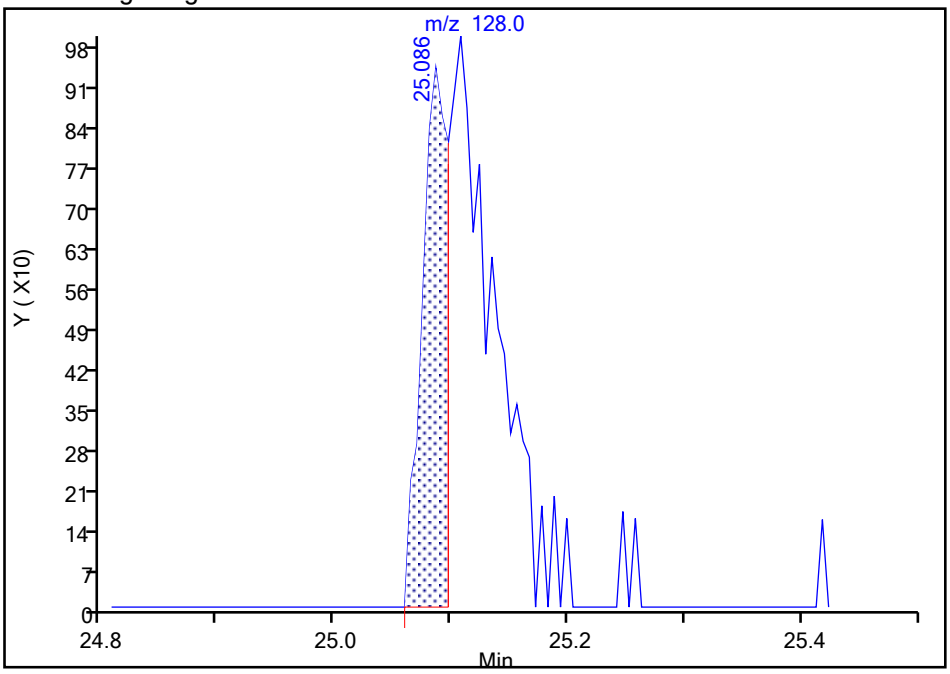
Data File:	\\chromfs\Burlington\ChromData\CHG.i\20221012-52825.b\200-52825-006.D				
Injection Date:	12-Oct-2022 11:39:30	Instrument ID:	CHG.i		
Lims ID:	200-65260-A-12	Lab Sample ID:	200-65260-12		
Client ID:	3278				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

102 Naphthalene, CAS: 91-20-3

Signal: 1

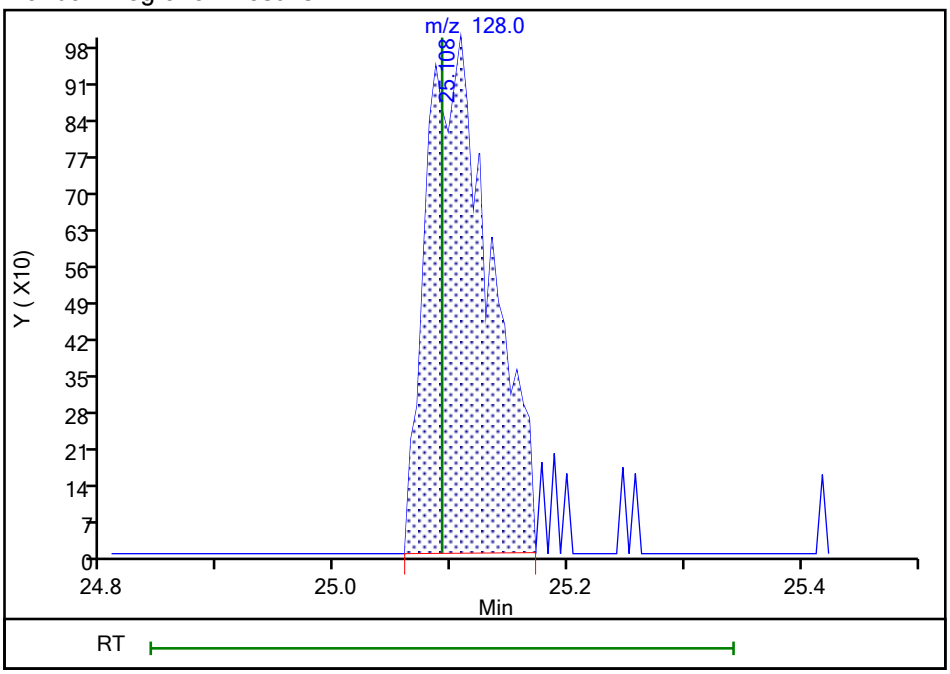
Processing Integration Results

RT: 25.09
Area: 1452
Amount: 0.010947
Amount Units: ppb v/v



Manual Integration Results

RT: 25.11
Area: 3818
Amount: 0.028784
Amount Units: ppb v/v



Reviewer: puangmaleek, 13-Oct-2022 08:43:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

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

Lab Name: Eurofins Burlington Job No.: 200-65343-1

SDG No.:

Client Sample ID: 5962 Lab Sample ID: 200-65343-6

Matrix: Air Lab File ID: 52905-07.D

Analysis Method: TO-15 Date Collected: 10/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/18/2022 12:09

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184782 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65343-1

SDG No.:

Client Sample ID: 5962 Lab Sample ID: 200-65343-6

Matrix: Air Lab File ID: 52905-07.D

Analysis Method: TO-15 Date Collected: 10/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/18/2022 12:09

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184782 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65343-1

SDG No.:

Client Sample ID: 5962 Lab Sample ID: 200-65343-6

Matrix: Air Lab File ID: 52905-07.D

Analysis Method: TO-15 Date Collected: 10/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 10/18/2022 12:09

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 184782 Units: ppb v/v

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\CHC.i\20221018-52905.b\52905-07.D
Lims ID: 200-65343-A-6
Client ID: 5962
Sample Type: Client
Inject. Date: 18-Oct-2022 12:09:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0052905-007
Operator ID: crc Instrument ID: CHC.i

Method: \\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\TO15_MasterMethod_(v1)_CHC.i.m
Limit Group: AI_TO15_ICAL
Last Update: 19-Oct-2022 08:45:03 Calib Date: 07-Oct-2022 04:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20221006-52745.b\52745-16.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1658

First Level Reviewer: V0FK Date: 19-Oct-2022 08:45:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.810				ND	7
2 Dichlorodifluoromethane	85		2.869				ND	7
3 Chlorodifluoromethane	51		2.906				ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.093				ND	7
5 Chloromethane	50		3.200				ND	7
6 Butane	43		3.387				ND	7
7 Vinyl chloride	62		3.408				ND	MU
8 Butadiene	54		3.477				ND	7
9 Bromomethane	94		4.054				ND	MU
10 Chloroethane	64		4.267				ND	MU
13 Vinyl bromide	106		4.625				ND	MU
14 Trichlorofluoromethane	101		4.742				ND	7
16 Ethanol	45		5.297				ND	7
19 1,1,2-Trichloro-1,2,2-trifluoroe	101		5.767				ND	MU
20 1,1-Dichloroethene	96		5.777				ND	MU
21 Acetone	43		5.975				ND	7
22 Carbon disulfide	76		6.135				ND	MU
23 Isopropyl alcohol	45		6.348				ND	7
24 3-Chloro-1-propene	41		6.509				ND	7
26 Methylene Chloride	49		6.781				ND	7
28 2-Methyl-2-propanol	59		7.117				ND	
29 trans-1,2-Dichloroethene	61		7.245				ND	7
30 Methyl tert-butyl ether	73		7.266				ND	7
32 Hexane	57		7.683				ND	MU
33 1,1-Dichloroethane	63		8.062				ND	MU
34 Vinyl acetate	43		8.168				ND	7
35 cis-1,2-Dichloroethene	96		9.140				ND	7
36 2-Butanone (MEK)	72		9.193				ND	7
37 Ethyl acetate	88		9.289				ND	MU
* 38 Chlorobromomethane	128	9.572	9.567	0.005	89	234116	20.0	
39 Tetrahydrofuran	42		9.652				ND	7
40 Chloroform	83		9.727				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 1,1,1-Trichloroethane	97		9.999				ND	7
42 Cyclohexane	84		10.015				ND	7
S 43 1,2-Dichloroethene, Total	61		10.200				ND	7
44 Carbon tetrachloride	117		10.266				ND	7
45 Benzene	78		10.682				ND	7
46 Isooctane	57		10.751				ND	
47 1,2-Dichloroethane	62		10.826				ND	
48 n-Heptane	43		11.157				ND	7
* 49 1,4-Difluorobenzene	114	11.531	11.531	0.000	98	1258648	20.0	
50 Trichloroethene	95		11.995				ND	7
53 1,2-Dichloropropane	63		12.481				ND	
56 Dibromomethane	174		12.737				ND	7
55 Methyl methacrylate	69		12.737				ND	
57 1,4-Dioxane	88		12.795				ND	7
58 Dichlorobromomethane	83		13.062				ND	
59 cis-1,3-Dichloropropene	75		14.023				ND	7
61 4-Methyl-2-pentanone (MIBK)	43		14.354				ND	7
62 Toluene	92		14.642				ND	7
66 trans-1,3-Dichloropropene	75		15.234				ND	7
67 1,1,2-Trichloroethane	83		15.592				ND	
68 Tetrachloroethene	166		15.779				ND	7
69 2-Hexanone	43		16.115				ND	7
70 Chlorodibromomethane	129		16.366				ND	7
71 Ethylene Dibromide	107		16.611				ND	7
* 72 Chlorobenzene-d5	117	17.556	17.556	0.000	96	1051622	20.0	
73 Chlorobenzene	112		17.609				ND	7
74 Ethylbenzene	91		17.801				ND	7
76 m-Xylene & p-Xylene	106		18.052				ND	7
77 o-Xylene	106		18.885				ND	7
78 Styrene	104		18.928				ND	7
80 Bromoform	173		19.333				ND	7
81 Isopropylbenzene	105		19.637				ND	7
S 82 Xylenes, Total	106		20.100				ND	7
83 1,1,2,2-Tetrachloroethane	83		20.337				ND	7
85 N-Propylbenzene	91		20.454				ND	7
86 2-Chlorotoluene	91		20.646				ND	7
87 4-Ethyltoluene	105		20.667				ND	7
89 1,3,5-Trimethylbenzene	105		20.790				ND	7
91 tert-Butylbenzene	119		21.319				ND	MU
92 1,2,4-Trimethylbenzene	105		21.420				ND	7
93 sec-Butylbenzene	105		21.671				ND	7
95 1,3-Dichlorobenzene	146		21.890				ND	MU
94 4-Isopropyltoluene	119		21.895				ND	7
96 1,4-Dichlorobenzene	146		22.034				ND	MU
97 Benzyl chloride	91		22.226				ND	7
98 n-Butylbenzene	91		22.482				ND	7
100 1,2-Dichlorobenzene	146		22.562				ND	7
102 1,2,4-Trichlorobenzene	180		24.862				ND	7
103 Hexachlorobutadiene	225		25.070				ND	7
104 Naphthalene	128		25.262				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00011	Amount Added: 40.00	Units: mL	Run Reagent

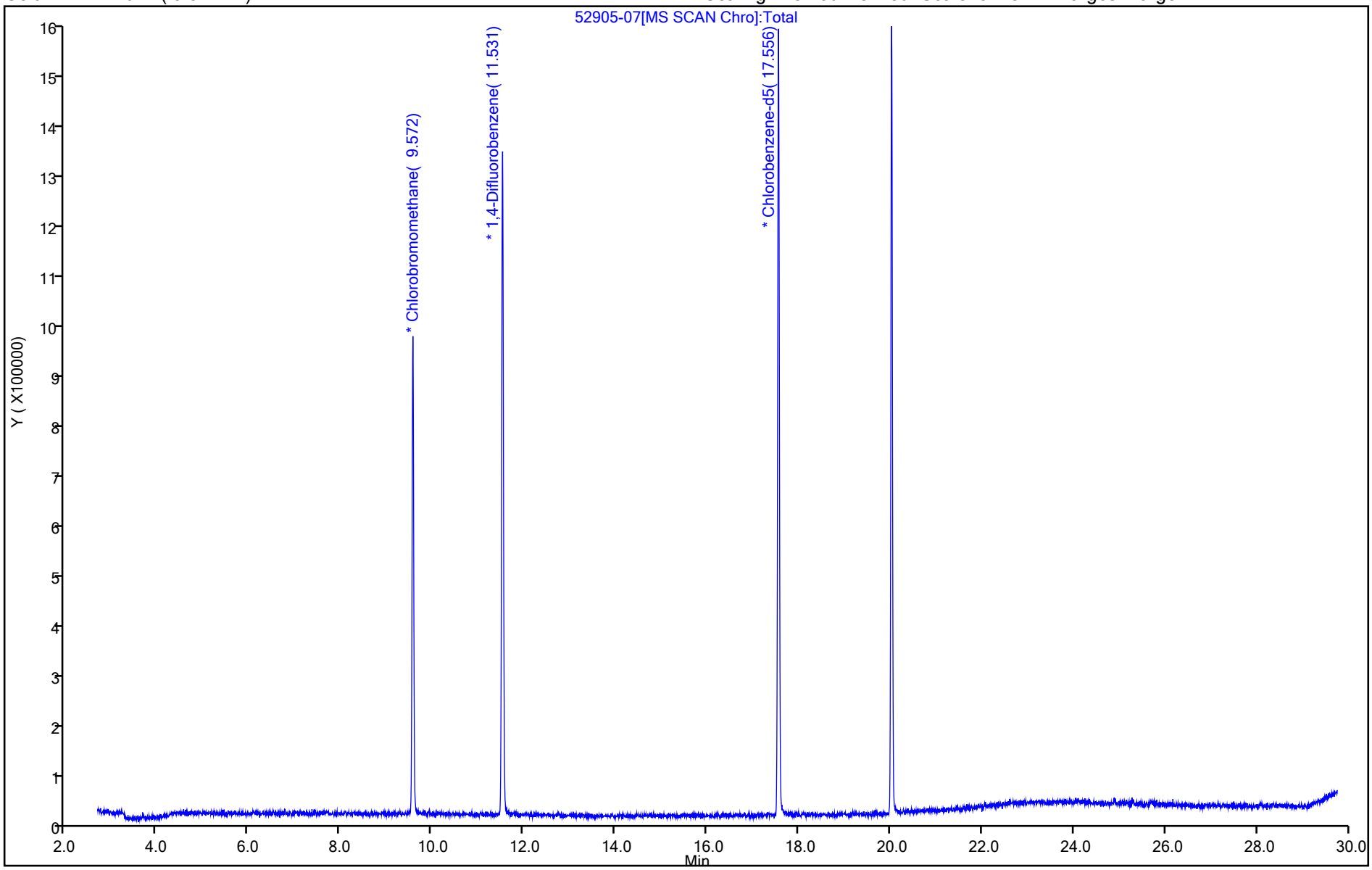
Report Date: 19-Oct-2022 08:45:31 Chrom Revision: 2.3 28-Sep-2022 12:57:42

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D

Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i	Operator ID:	crc
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6	Worklist Smp#:	7
Client ID:	5962				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		

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



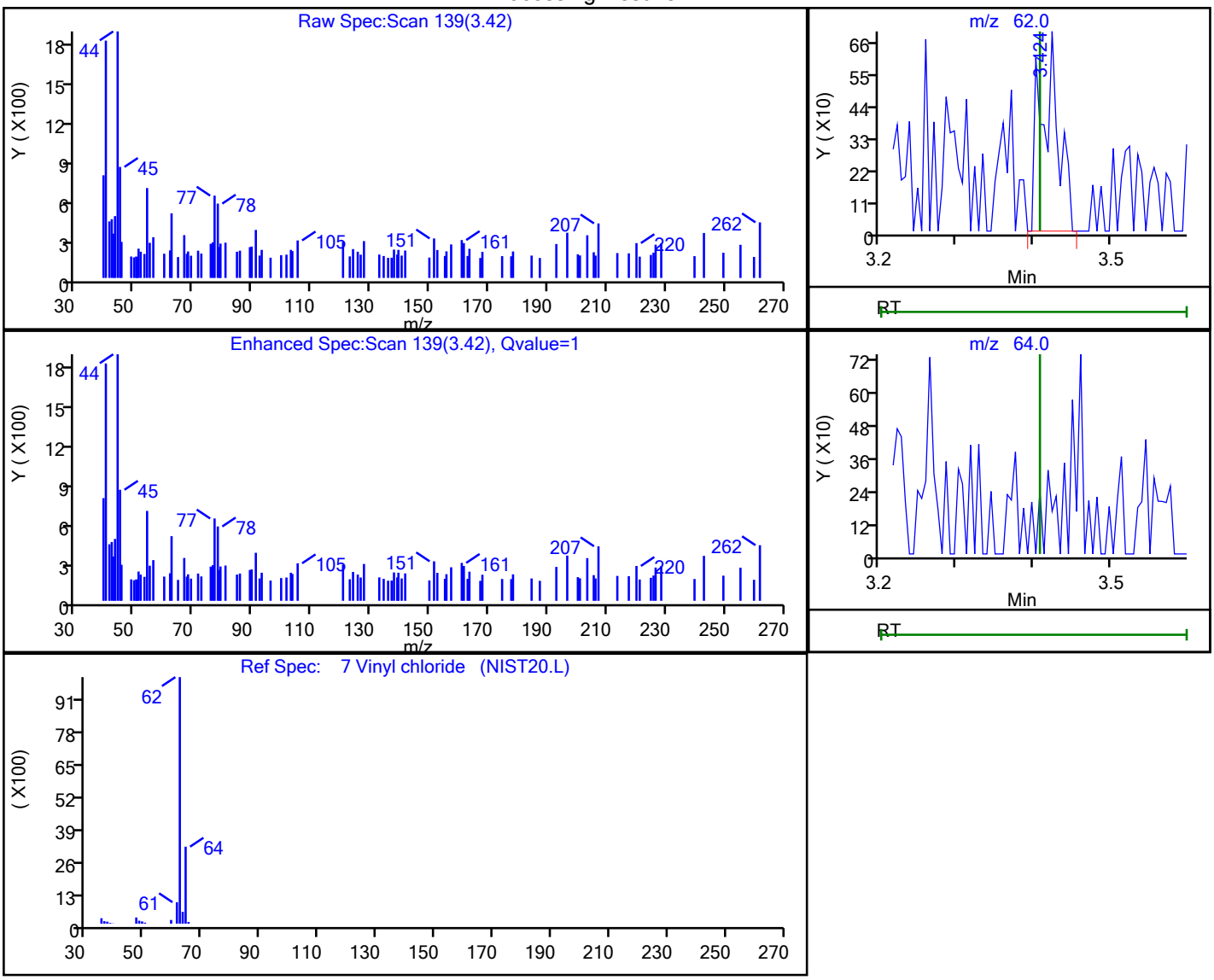
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
3.42	62.00	1089	0.031272
3.41	64.00	0	

Reviewer: V0FK, 19-Oct-2022 08:42:57

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

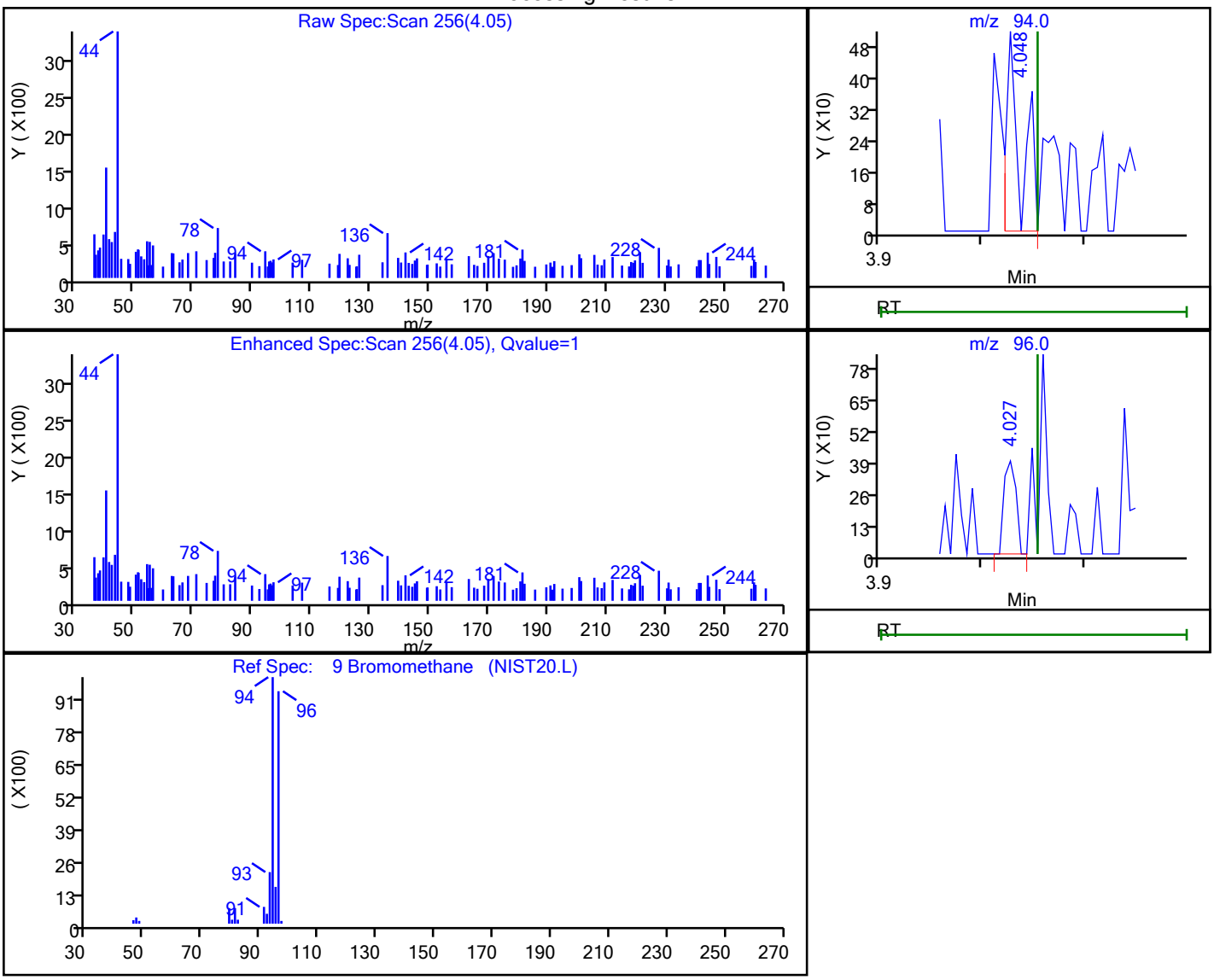
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.05	94.00	496	0.022397
4.03	96.00	317	

Reviewer: V0FK, 19-Oct-2022 08:42:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

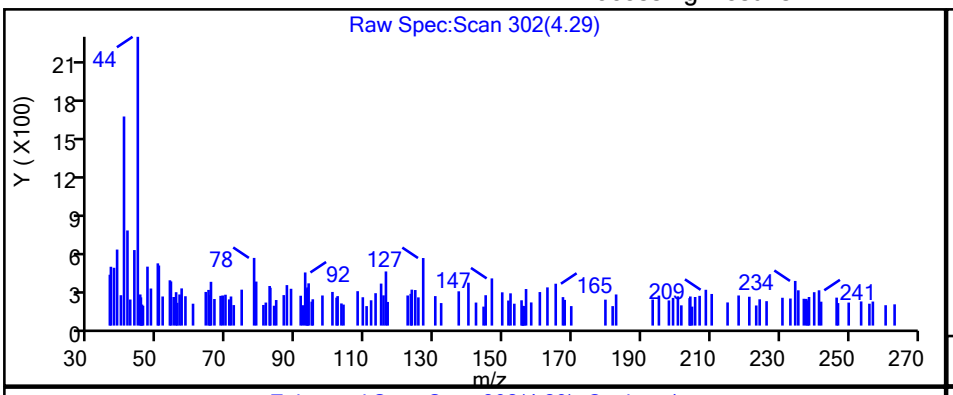
User Disabled Compound Report

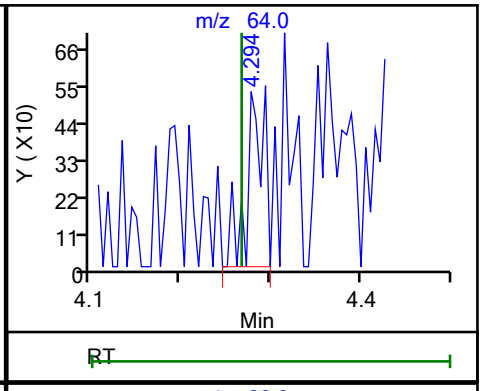
Eurofins Burlington

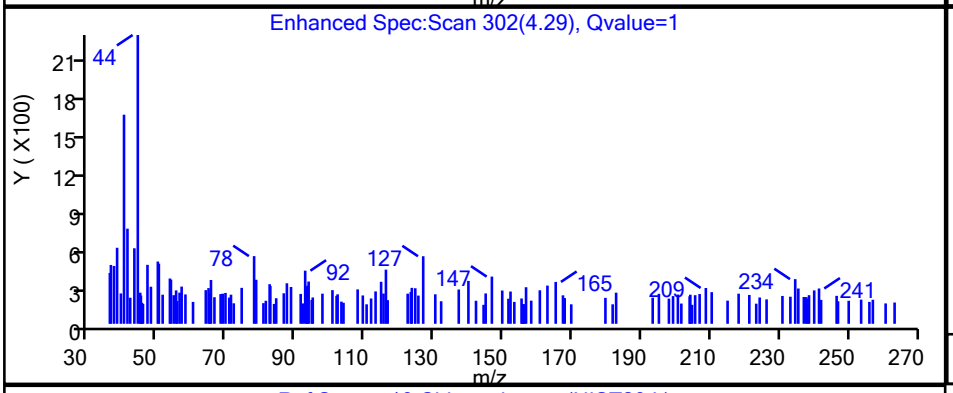
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

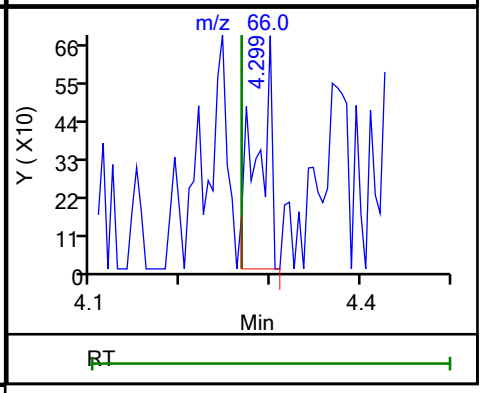
10 Chloroethane, CAS: 75-00-3

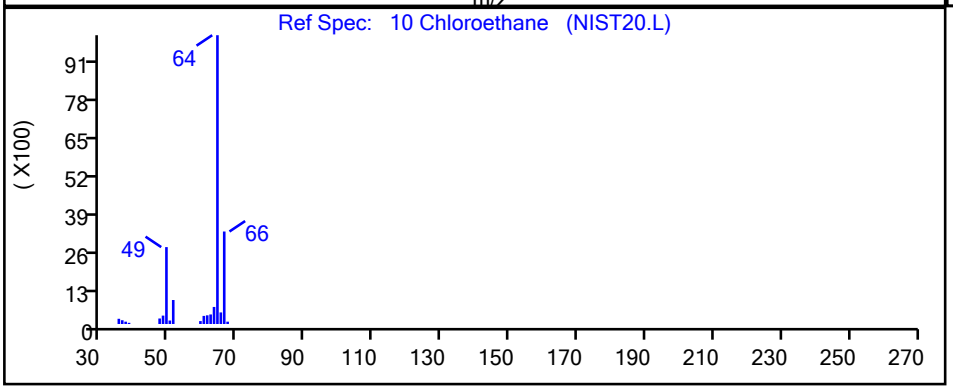
Processing Results











RT	Mass	Response	Amount
4.29	64.00	712	0.041029
4.30	66.00	785	

Reviewer: V0FK, 19-Oct-2022 08:43:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

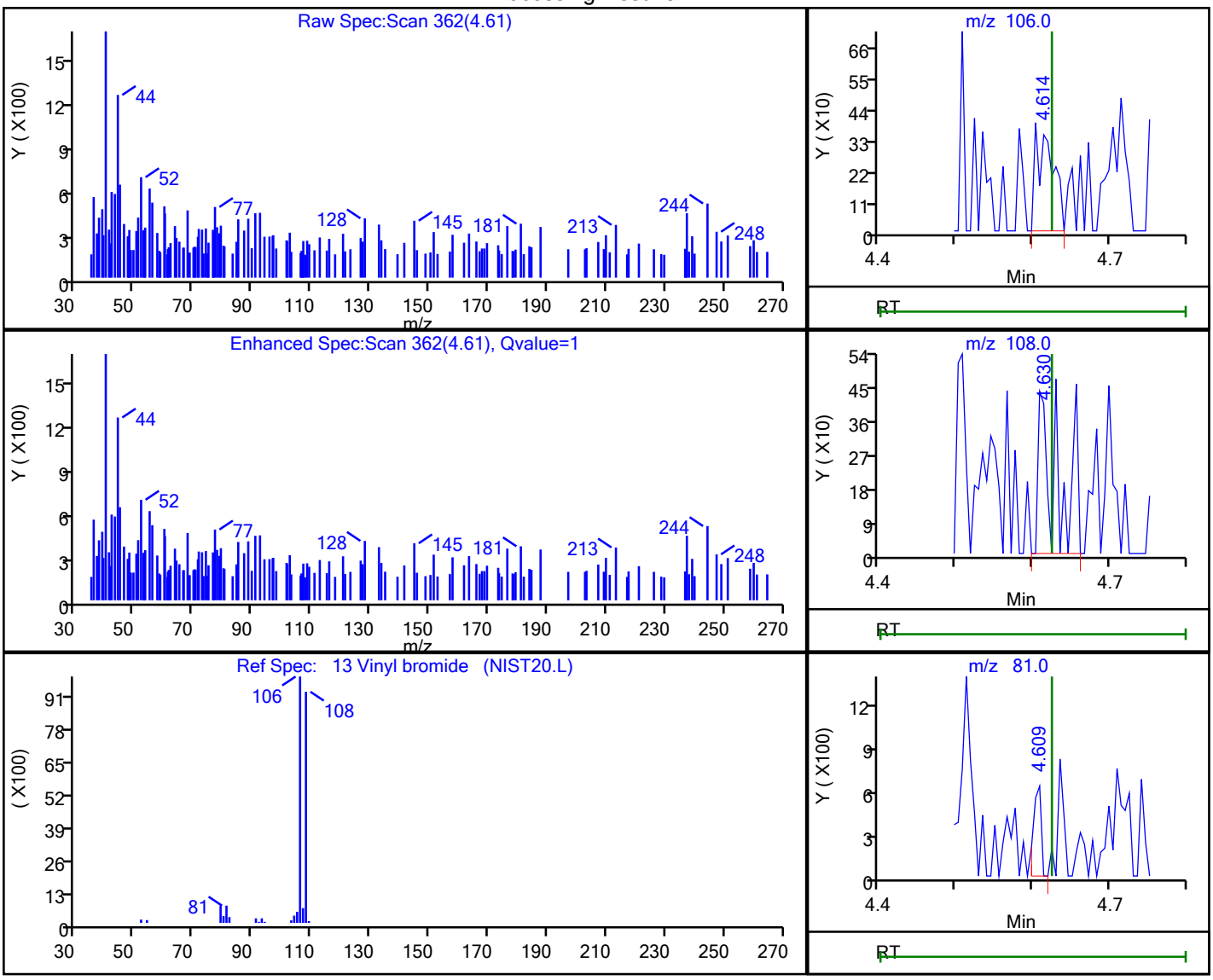
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

13 Vinyl bromide, CAS: 593-60-2

Processing Results



RT	Mass	Response	Amount
4.61	106.00	589	0.022630
4.63	108.00	739	
4.61	81.00	433	

Reviewer: V0FK, 19-Oct-2022 08:43:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

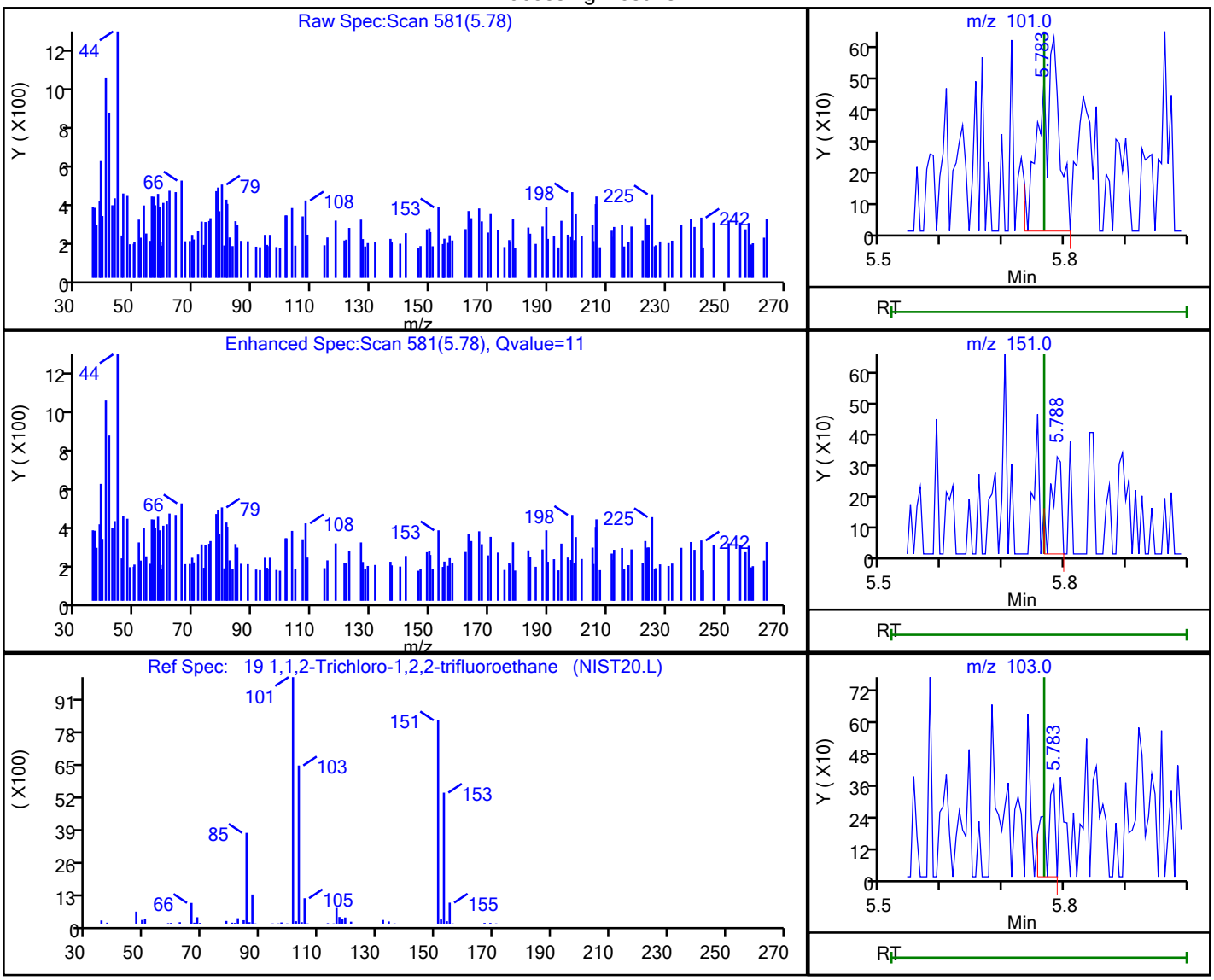
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

19 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
5.78	101.00	1336	0.023865
5.79	151.00	372	
5.78	103.00	413	

Reviewer: V0FK, 19-Oct-2022 08:43:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

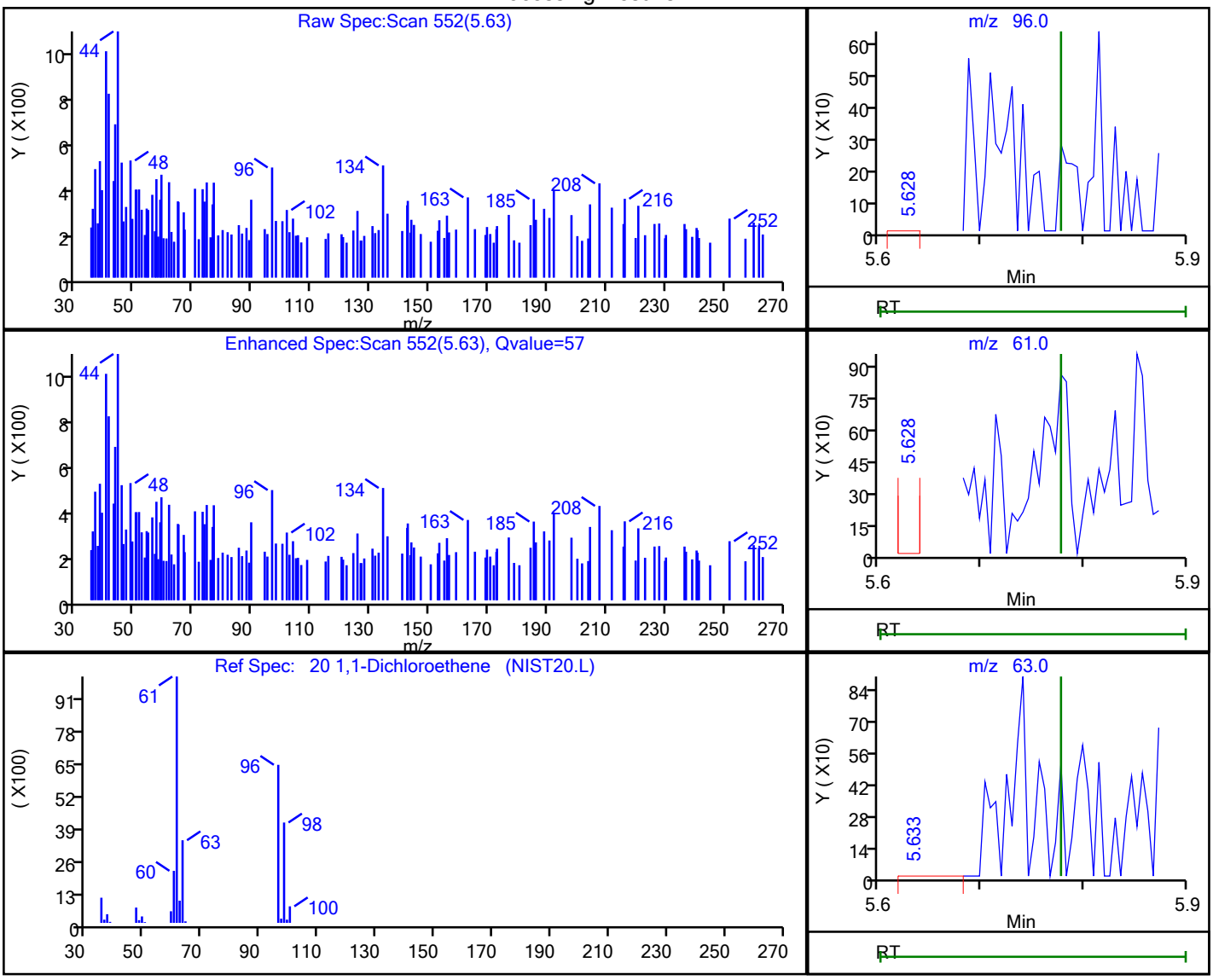
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
5.63	96.00	451	0.016776
5.63	61.00	350	
5.63	63.00	837	

Reviewer: V0FK, 19-Oct-2022 08:43:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

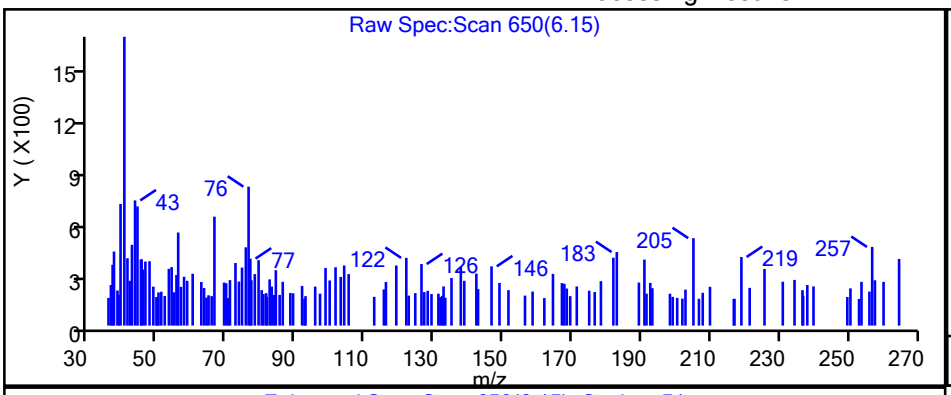
User Disabled Compound Report

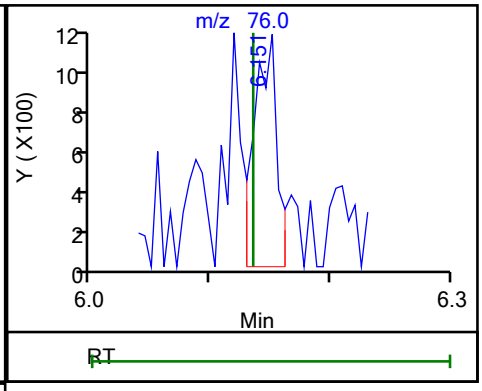
Eurofins Burlington

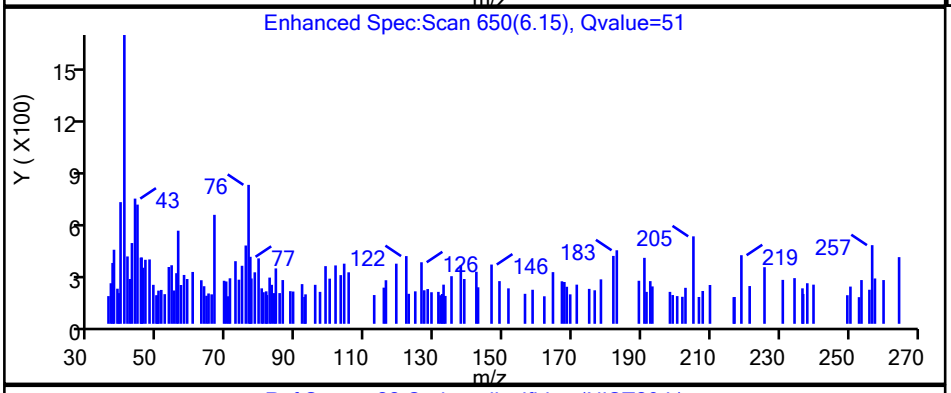
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

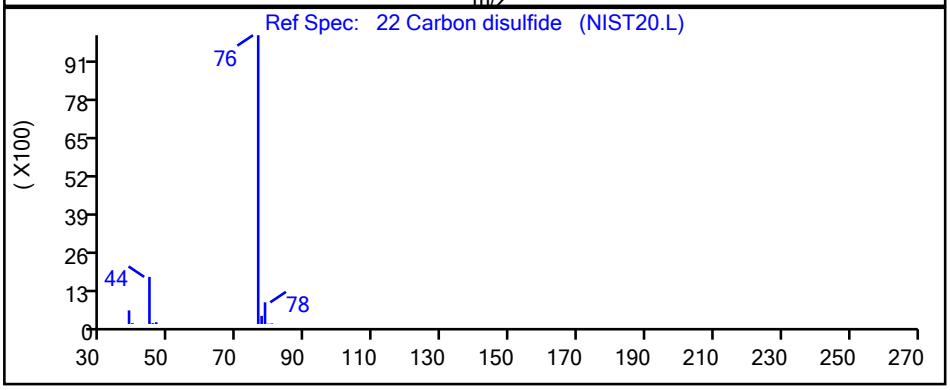
22 Carbon disulfide, CAS: 75-15-0

Processing Results









RT	Mass	Response	Amount
6.15	76.00	1556	0.018142

Reviewer: V0FK, 19-Oct-2022 08:43:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

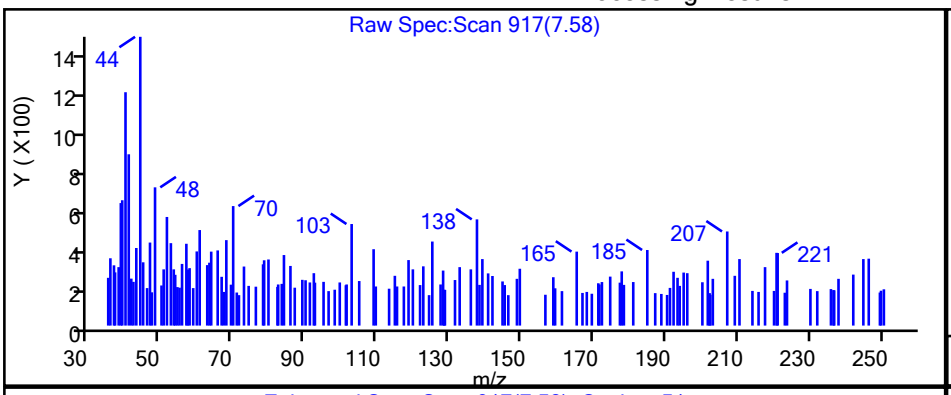
User Disabled Compound Report

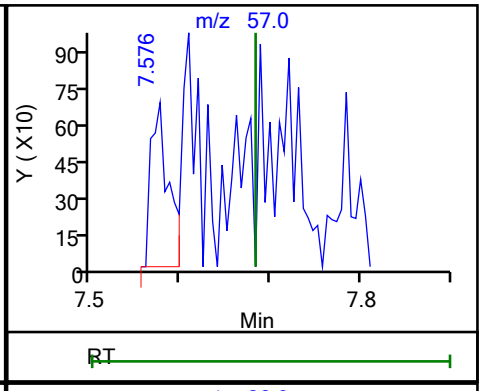
Eurofins Burlington

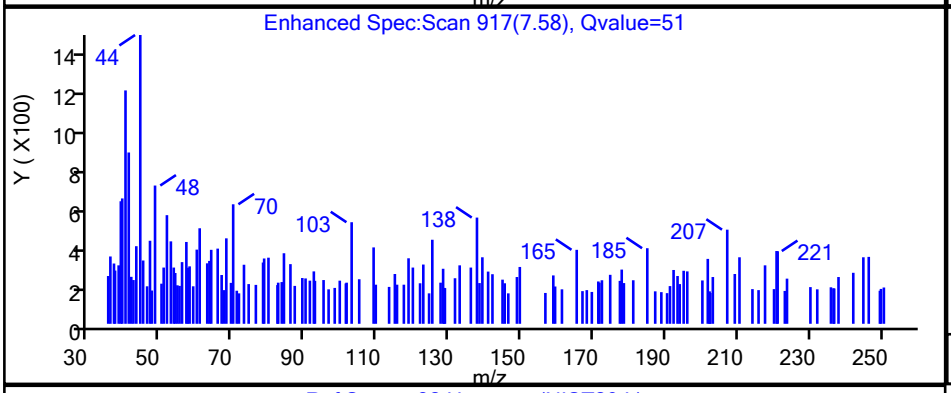
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

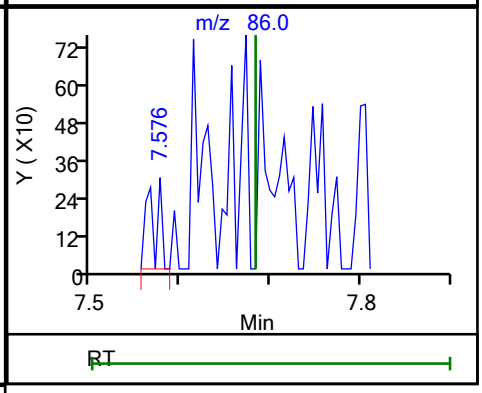
32 Hexane, CAS: 110-54-3

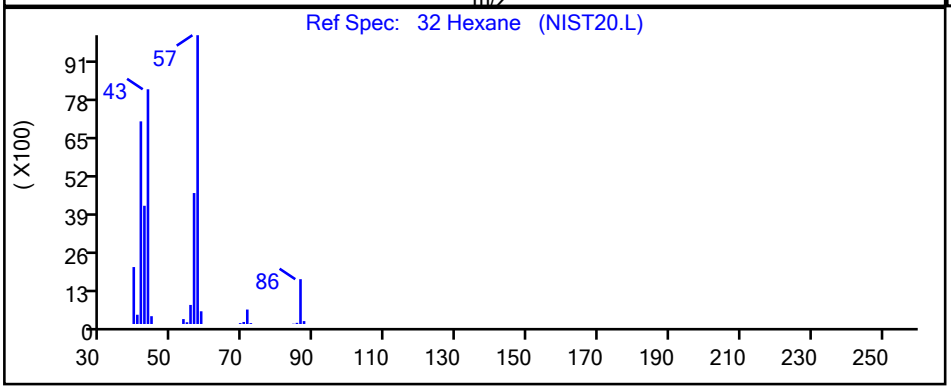
Processing Results











RT	Mass	Response	Amount
7.58	57.00	937	0.015250
7.58	86.00	249	

Reviewer: V0FK, 19-Oct-2022 08:44:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

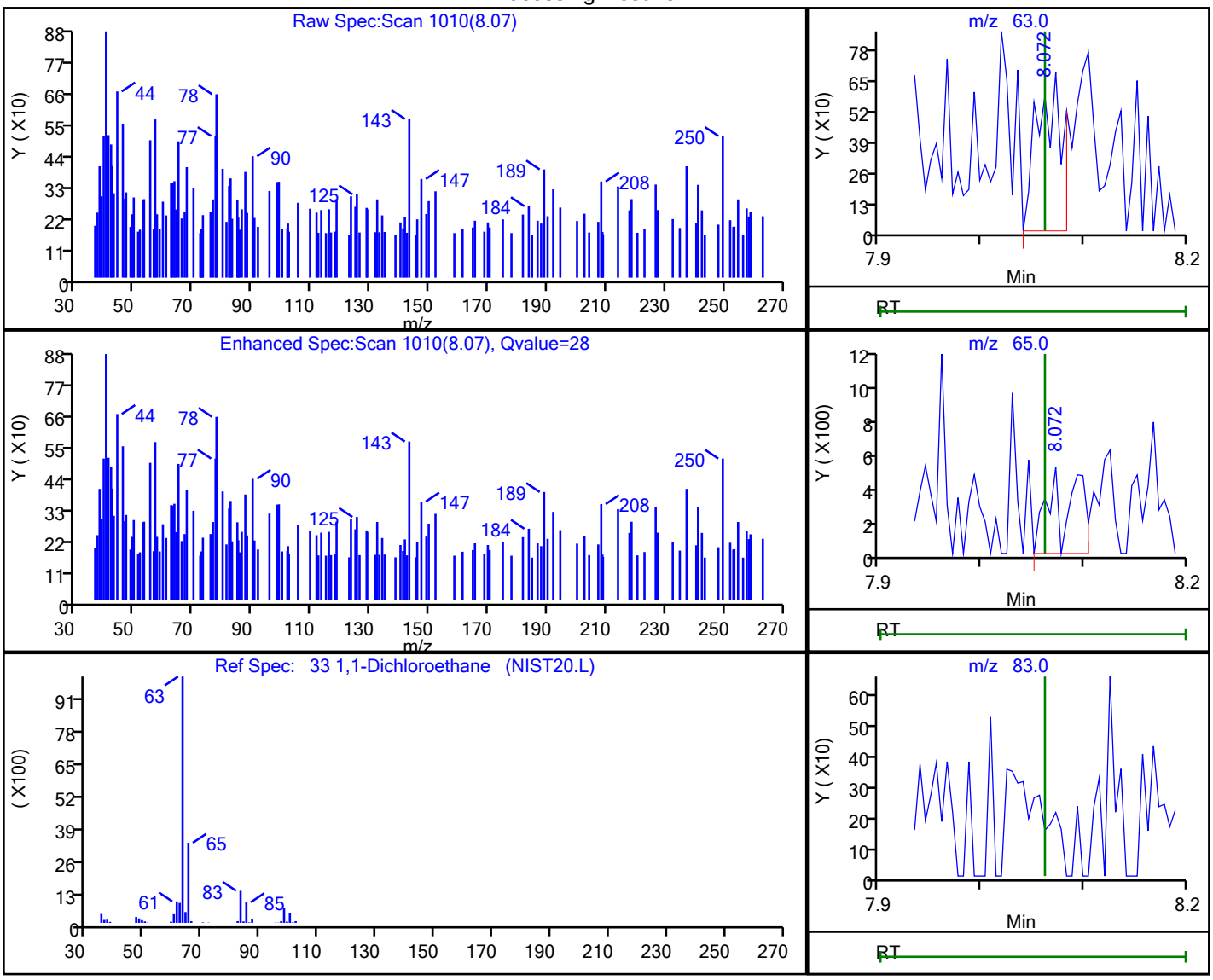
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

33 1,1-Dichloroethane, CAS: 75-34-3

Processing Results



RT	Mass	Response	Amount
8.07	63.00	1139	0.016597
8.07	65.00	901	
8.06	83.00	0	

Reviewer: V0FK, 19-Oct-2022 08:44:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

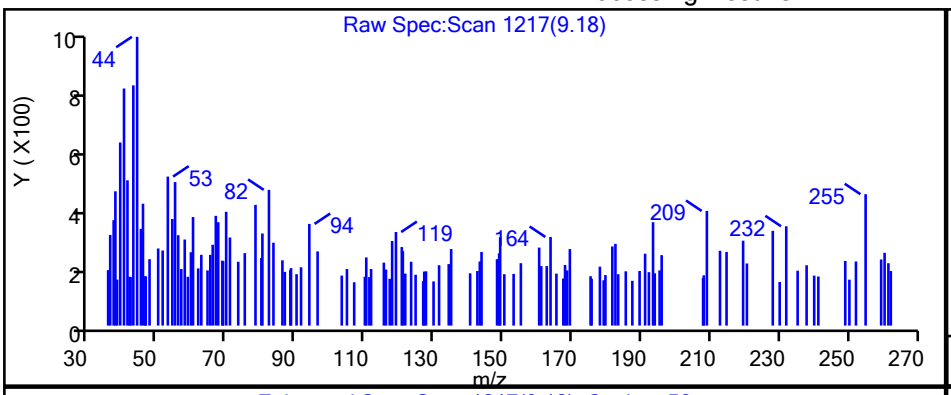
User Disabled Compound Report

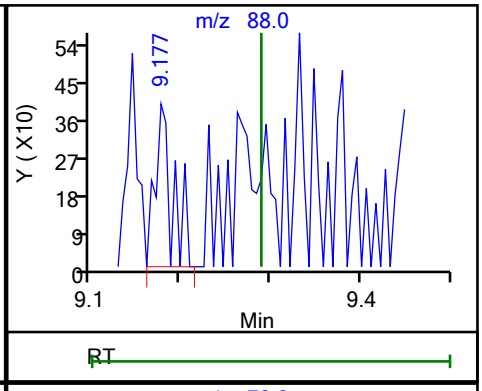
Eurofins Burlington

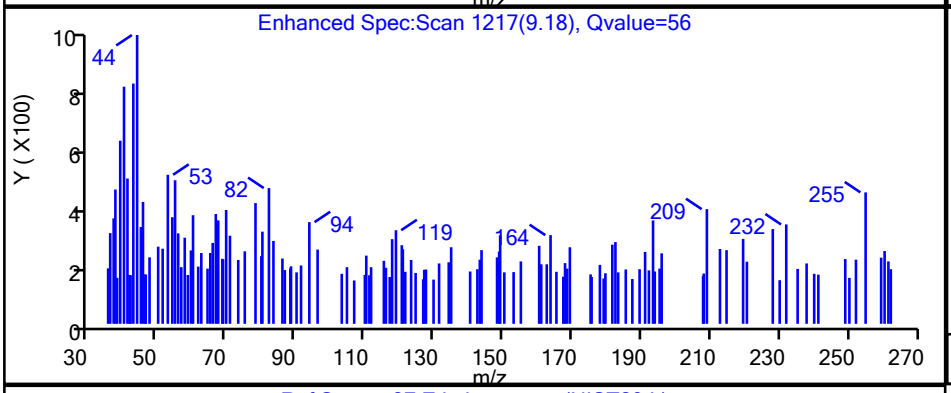
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

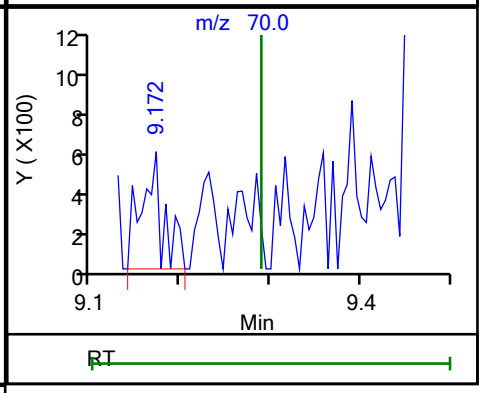
37 Ethyl acetate, CAS: 141-78-6

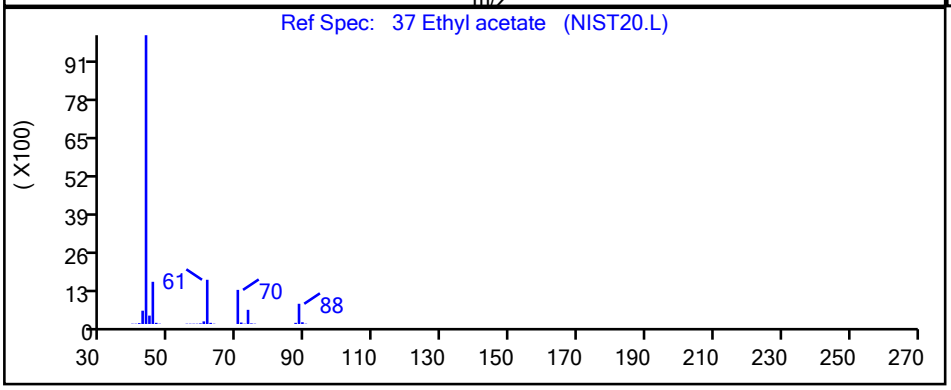
Processing Results











RT	Mass	Response	Amount
9.18	88.00	517	0.201313
9.17	70.00	959	

Reviewer: V0FK, 19-Oct-2022 08:44:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

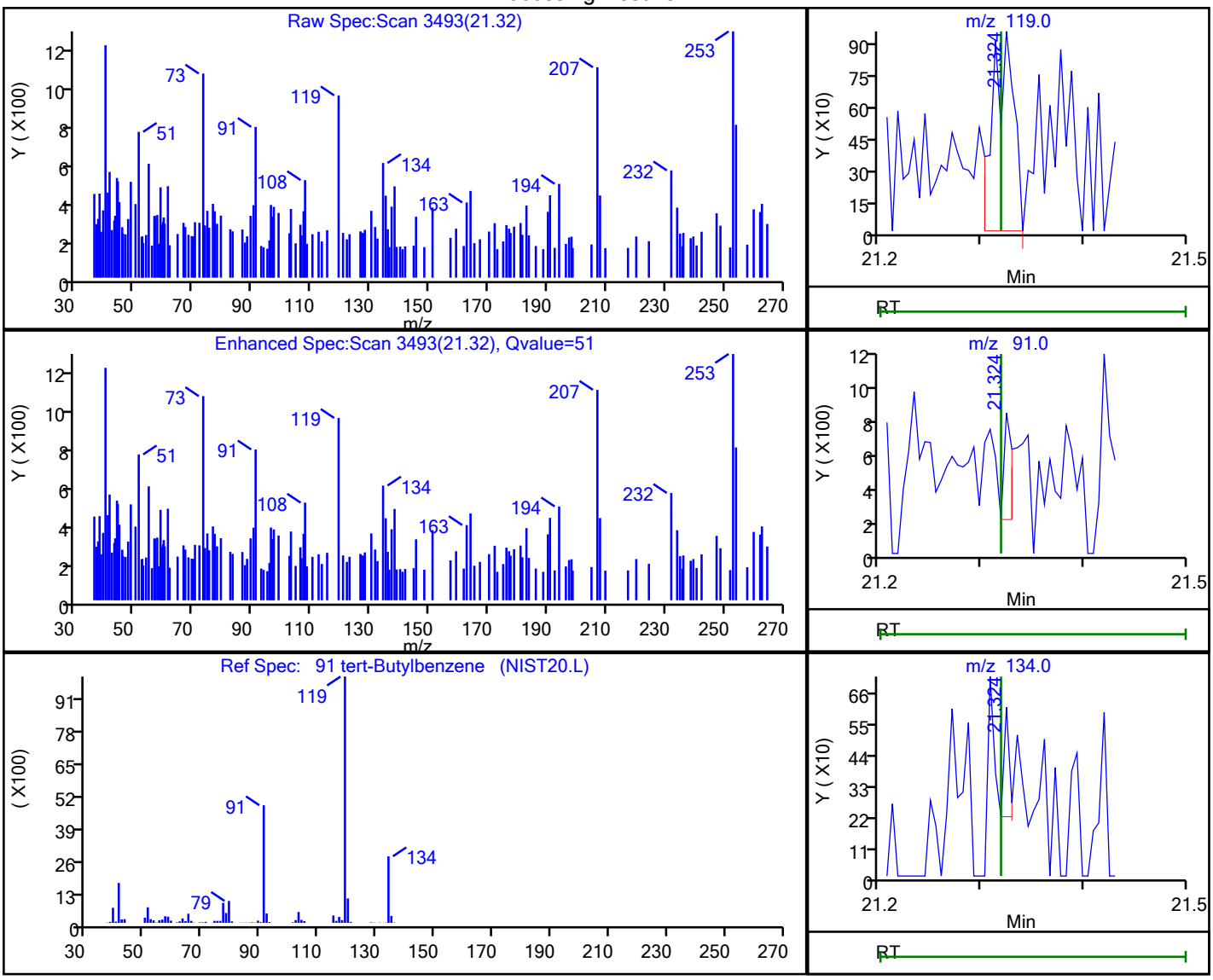
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

91 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
21.32	119.00	1377	0.011926
21.32	91.00	320	
21.32	134.00	141	

Reviewer: V0FK, 19-Oct-2022 08:44:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

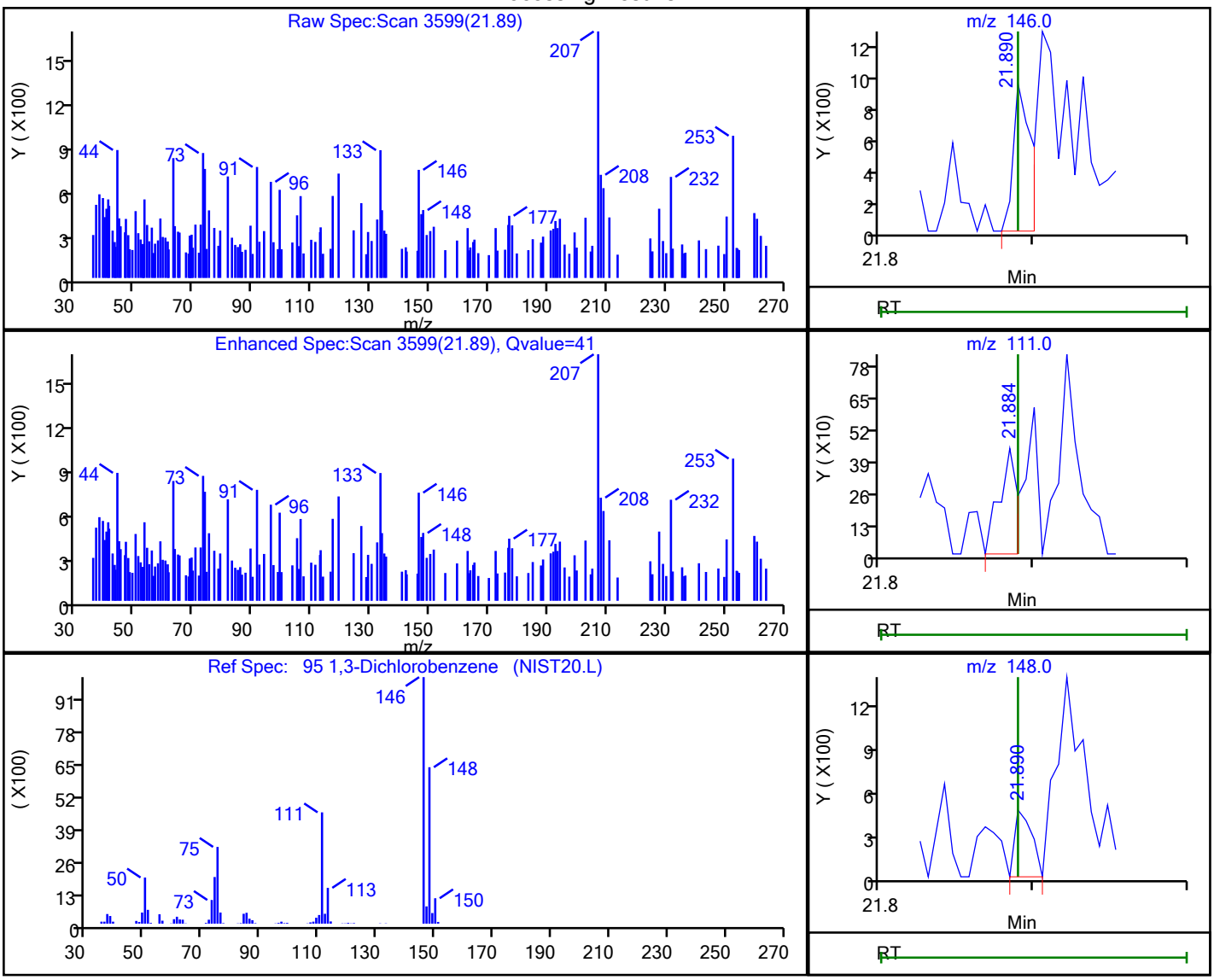
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

95 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
21.89	146.00	723	0.010581
21.88	111.00	354	
21.89	148.00	347	

Reviewer: V0FK, 19-Oct-2022 08:44:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

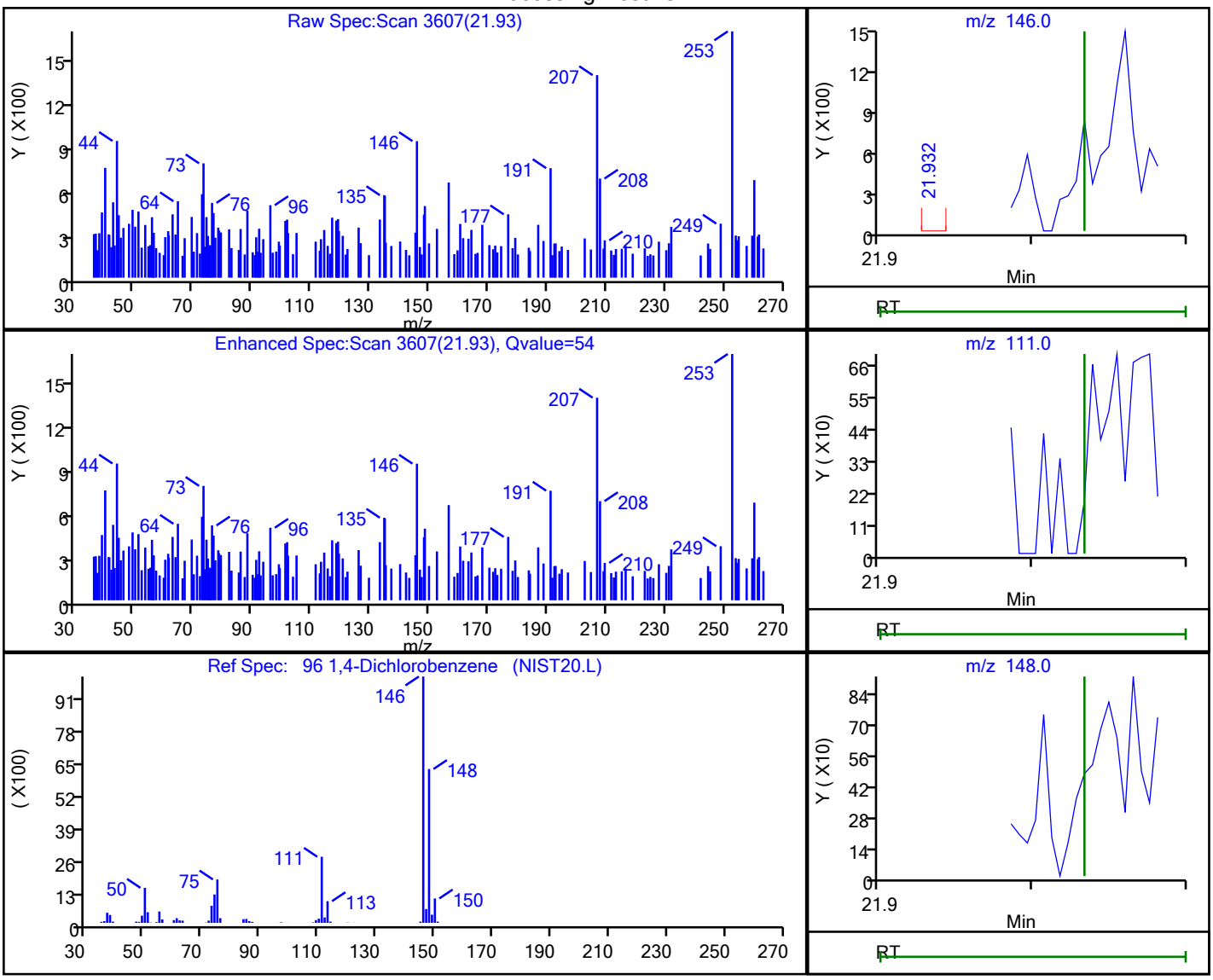
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221018-52905.b\52905-07.D				
Injection Date:	18-Oct-2022 12:09:30	Instrument ID:	CHC.i		
Lims ID:	200-65343-A-6	Lab Sample ID:	200-65343-6		
Client ID:	5962				
Operator ID:	crc	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

96 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
21.93	146.00	633	0.008827
22.03	111.00	0	
22.03	148.00	0	

Reviewer: V0FK, 19-Oct-2022 08:44:53

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.: 200-65797-1

SDG No.:

Client Sample ID: 5603 Lab Sample ID: 200-65797-4

Matrix: Air Lab File ID: 53407-006.D

Analysis Method: TO-15 Date Collected: 11/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/21/2022 12:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 185979 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65797-1

SDG No.:

Client Sample ID: 5603 Lab Sample ID: 200-65797-4

Matrix: Air Lab File ID: 53407-006.D

Analysis Method: TO-15 Date Collected: 11/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/21/2022 12:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 185979 Units: ppb v/v

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: Eurofins Burlington Job No.: 200-65797-1

SDG No.:

Client Sample ID: 5603 Lab Sample ID: 200-65797-4

Matrix: Air Lab File ID: 53407-006.D

Analysis Method: TO-15 Date Collected: 11/17/2022 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 11/21/2022 12:04

Soil Aliquot Vol: Dilution Factor: 0.2

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

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

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

Analysis Batch No.: 185979 Units: ppb v/v

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\CHC.i\20221121-53407.b\53407-006.D
Lims ID: 200-65797-A-4
Client ID: 5603
Sample Type: Client
Inject. Date: 21-Nov-2022 12:04:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0053407-006
Operator ID: vtp Instrument ID: CHC.i

Method: \\chromfs\Burlington\ChromData\CHC.i\20221121-53407.b\TO15_MasterMethod_(v1)_CHC.i.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Nov-2022 09:34:24 Calib Date: 17-Nov-2022 01:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHC.i\20221116-53358.b\53358-013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1658

First Level Reviewer: bunmaa Date: 22-Nov-2022 09:34:24

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		2.805				ND	7
2	Dichlorodifluoromethane	85		2.869				ND	7
3	Chlorodifluoromethane	51		2.901				ND	7
4	1,2-Dichloro-1,1,2,2-tetrafluoro	85		3.093				ND	7
5	Chloromethane	50		3.194				ND	7
6	Butane	43		3.381				ND	7
7	Vinyl chloride	62		3.408				ND	
8	Butadiene	54		3.477				ND	
9	Bromomethane	94		4.048				ND	
10	Chloroethane	64		4.262				ND	
13	Vinyl bromide	106		4.619				ND	
14	Trichlorofluoromethane	101		4.737				ND	
16	Ethanol	45		5.292				ND	
19	1,1,2-Trichloro-1,2,2-trifluoroe	101		5.767				ND	
20	1,1-Dichloroethene	96		5.772				ND	
21	Acetone	43		5.970				ND	7
22	Carbon disulfide	76		6.130				ND	7
23	Isopropyl alcohol	45		6.343				ND	
24	3-Chloro-1-propene	41		6.503				ND	7
26	Methylene Chloride	49		6.775				ND	7
28	2-Methyl-2-propanol	59		7.106				ND	
29	trans-1,2-Dichloroethene	61		7.234				ND	
30	Methyl tert-butyl ether	73		7.256				ND	
32	Hexane	57		7.677				ND	MU
33	1,1-Dichloroethane	63		8.051				ND	
34	Vinyl acetate	43		8.163				ND	
35	cis-1,2-Dichloroethene	96		9.129				ND	
36	2-Butanone (MEK)	72		9.182				ND	
37	Ethyl acetate	88		9.278				ND	
* 38	Chlorobromomethane	128	9.561	9.561	0.000	91	248828	20.0	
39	Tetrahydrofuran	42		9.636				ND	
40	Chloroform	83		9.716				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 1,1,1-Trichloroethane	97		9.988				ND	
42 Cyclohexane	84		10.010				ND	
S 43 1,2-Dichloroethene, Total	61		10.200				ND	7
44 Carbon tetrachloride	117		10.260				ND	
45 Benzene	78		10.671				ND	MU
46 Isooctane	57		10.746				ND	
47 1,2-Dichloroethane	62		10.815				ND	
48 n-Heptane	43		11.152				ND	7
* 49 1,4-Difluorobenzene	114	11.515	11.515	0.000	98	1433517	20.0	
50 Trichloroethene	95		11.984				ND	
53 1,2-Dichloropropane	63		12.475				ND	
56 Dibromomethane	174		12.721				ND	7
55 Methyl methacrylate	69		12.726				ND	
57 1,4-Dioxane	88		12.769				ND	
58 Dichlorobromomethane	83		13.046				ND	
59 cis-1,3-Dichloropropene	75		14.012				ND	
61 4-Methyl-2-pentanone (MIBK)	43		14.338				ND	
62 Toluene	92		14.631				ND	7
66 trans-1,3-Dichloropropene	75		15.218				ND	
67 1,1,2-Trichloroethane	83		15.581				ND	
68 Tetrachloroethene	166		15.763				ND	
69 2-Hexanone	43		16.099				ND	
70 Chlorodibromomethane	129		16.350				ND	
71 Ethylene Dibromide	107		16.595				ND	
* 72 Chlorobenzene-d5	117	17.540	17.540	0.000	96	1300374	20.0	
73 Chlorobenzene	112		17.599				ND	7
74 Ethylbenzene	91		17.785				ND	7
76 m-Xylene & p-Xylene	106		18.036				ND	7
77 o-Xylene	106		18.869				ND	
78 Styrene	104		18.917				ND	
80 Bromoform	173		19.317				ND	
81 Isopropylbenzene	105		19.621				ND	
S 82 Xylenes, Total	106		20.100				ND	7
83 1,1,2,2-Tetrachloroethane	83		20.320				ND	
85 N-Propylbenzene	91		20.438				ND	7
86 2-Chlorotoluene	91		20.635				ND	7
87 4-Ethyltoluene	105		20.651				ND	7
89 1,3,5-Trimethylbenzene	105		20.774				ND	7
91 tert-Butylbenzene	119		21.302				ND	
92 1,2,4-Trimethylbenzene	105		21.404				ND	
93 sec-Butylbenzene	105		21.660				ND	
95 1,3-Dichlorobenzene	146		21.879				ND	7
94 4-Isopropyltoluene	119		21.884				ND	7
96 1,4-Dichlorobenzene	146		22.023				ND	7
97 Benzyl chloride	91		22.210				ND	7
98 n-Butylbenzene	91		22.471				ND	7
100 1,2-Dichlorobenzene	146		22.551				ND	7
102 1,2,4-Trichlorobenzene	180		24.846				ND	7
103 Hexachlorobutadiene	225		25.054				ND	
104 Naphthalene	128		25.241				ND	MU

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

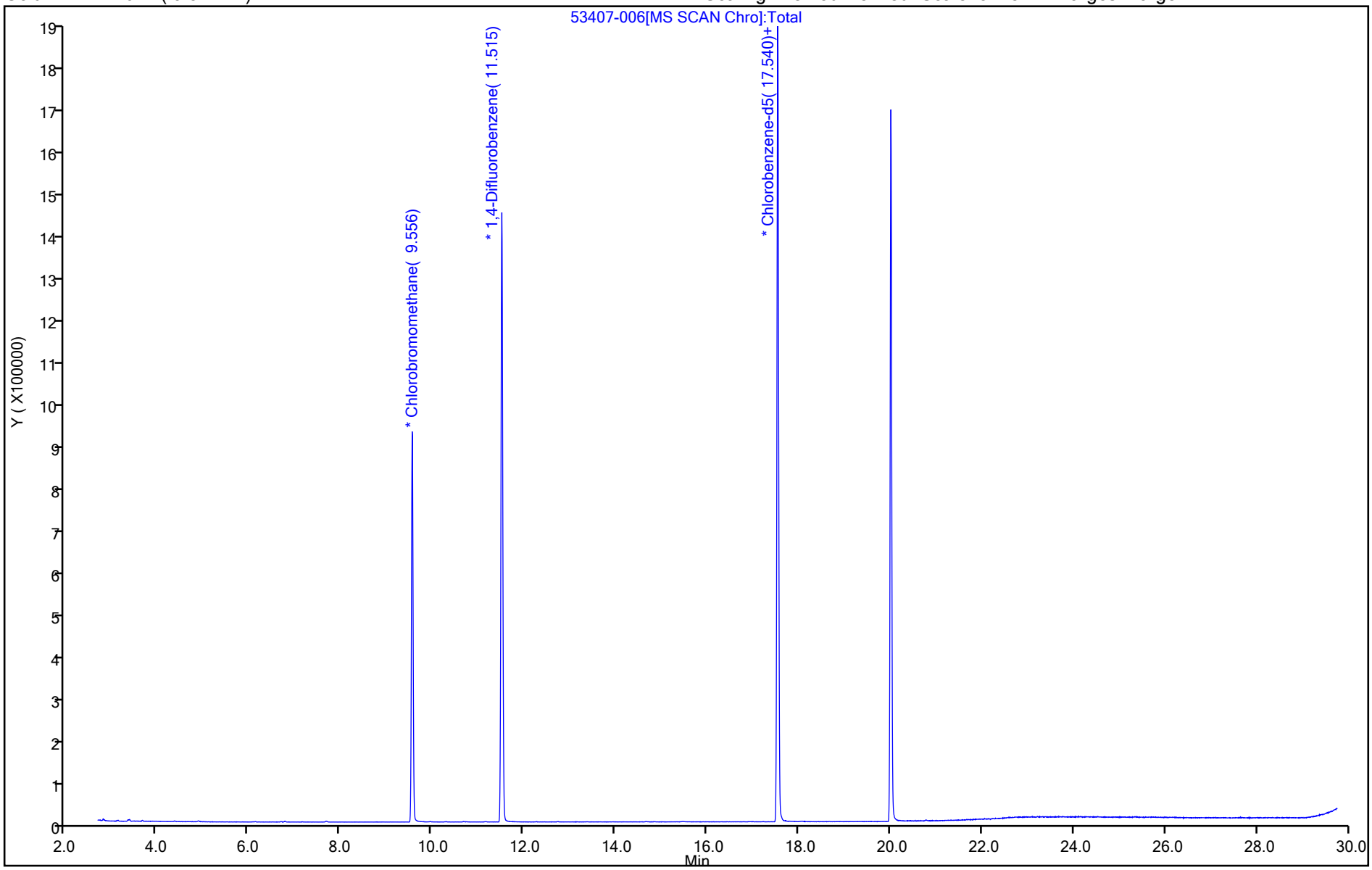
ATTO15CISs_00011 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 22-Nov-2022 09:34:25 Chrom Revision: 2.3 25-Oct-2022 11:16:06

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221121-53407.b\53407-006.D				
Injection Date:	21-Nov-2022 12:04:30	Instrument ID:	CHC.i	Operator ID:	vtp
Lims ID:	200-65797-A-4	Lab Sample ID:	200-65797-4	Worklist Smp#:	6
Client ID:	5603				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		

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



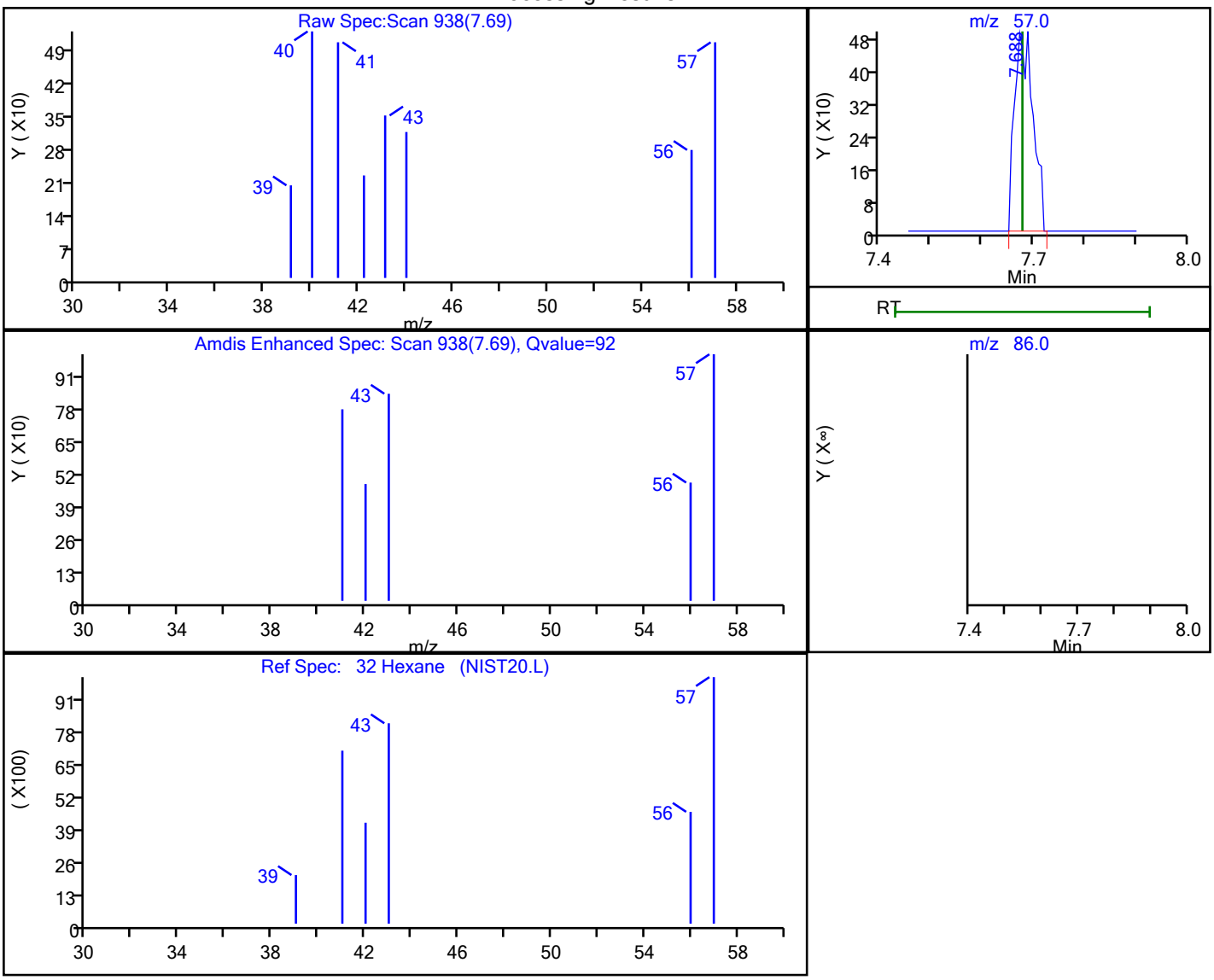
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221121-53407.b\53407-006.D				
Injection Date:	21-Nov-2022 12:04:30	Instrument ID:	CHC.i		
Lims ID:	200-65797-A-4	Lab Sample ID:	200-65797-4		
Client ID:	5603				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

32 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
7.69	57.00	1256	0.021403
7.68	86.00	0	

Reviewer: bunmaa, 22-Nov-2022 09:32:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

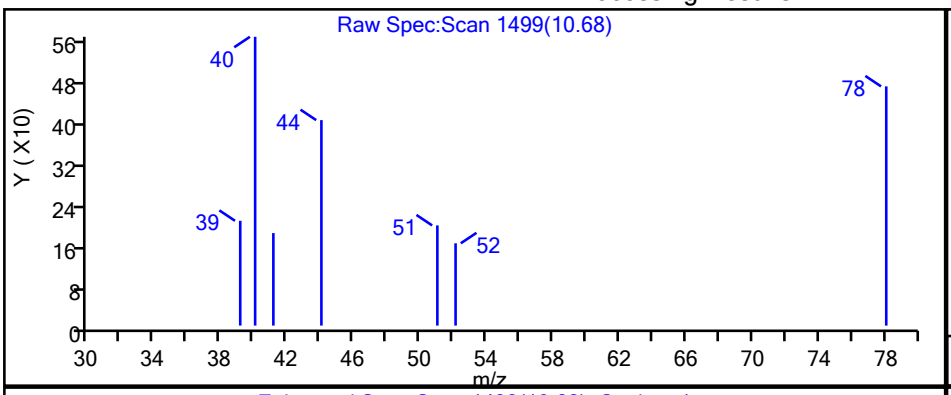
User Disabled Compound Report

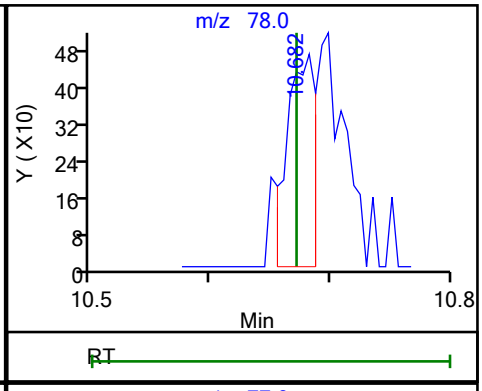
Eurofins Burlington

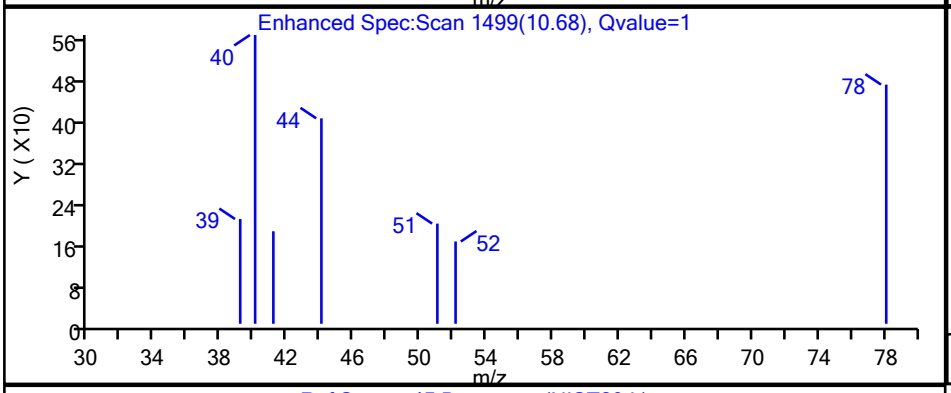
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221121-53407.b\53407-006.D				
Injection Date:	21-Nov-2022 12:04:30	Instrument ID:	CHC.i		
Lims ID:	200-65797-A-4	Lab Sample ID:	200-65797-4		
Client ID:	5603				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

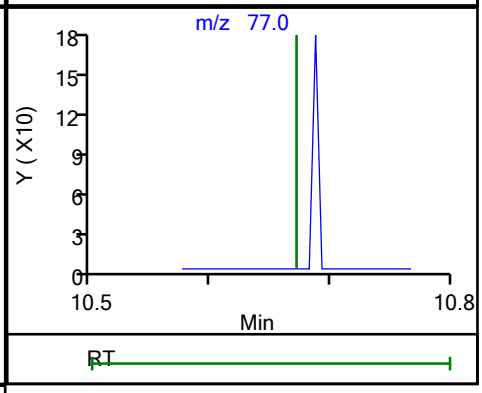
45 Benzene, CAS: 71-43-2

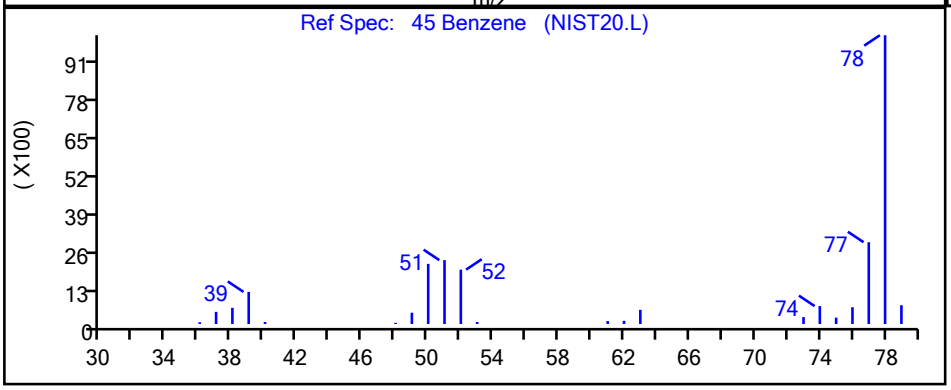
Processing Results











RT	Mass	Response	Amount
10.68	78.00	783	0.006576
10.67	77.00	0	

Reviewer: bunmaa, 22-Nov-2022 09:32:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

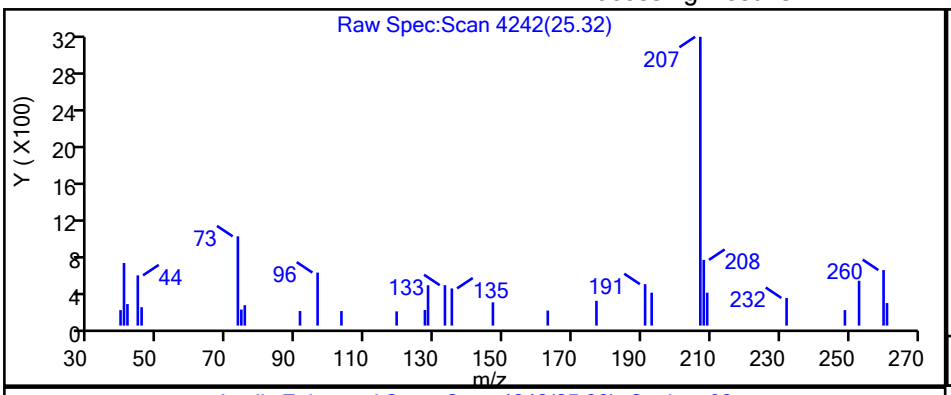
User Disabled Compound Report

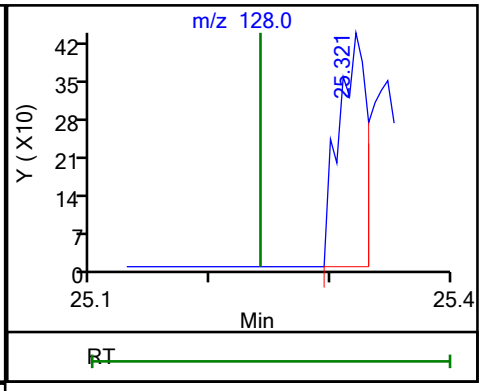
Eurofins Burlington

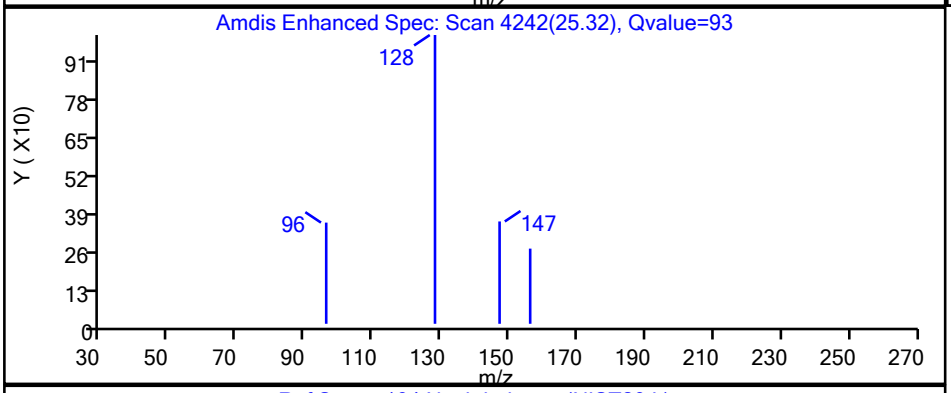
Data File:	\\chromfs\Burlington\ChromData\CHC.i\20221121-53407.b\53407-006.D				
Injection Date:	21-Nov-2022 12:04:30	Instrument ID:	CHC.i		
Lims ID:	200-65797-A-4	Lab Sample ID:	200-65797-4		
Client ID:	5603				
Operator ID:	vtp	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

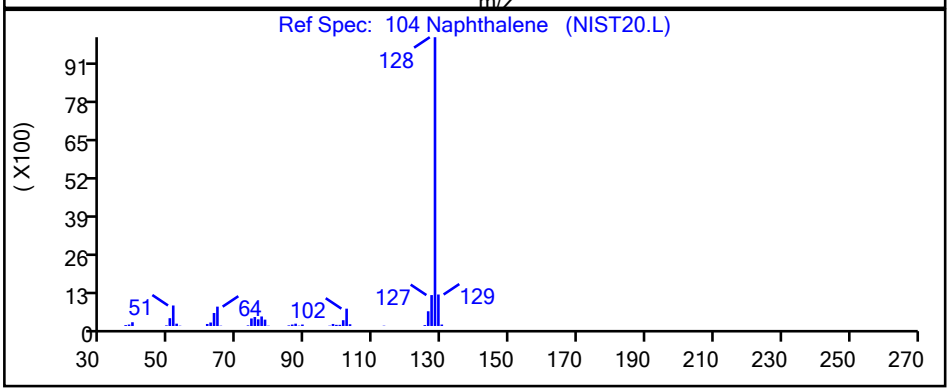
104 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
25.32	128.00	699	0.004164

Reviewer: bunmaa, 22-Nov-2022 09:34:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Summa Canister Dilution Worksheet

Client: AKRF Inc
Project/Site: 133-10 39th Ave

Job No.: 200-66118-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
200-66118-2	6	-19.8	0.34	2.03	-2.25931	0.85	5.08		2.50	2.50	g32	12/12/22 17:36	WRD

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

L.A.B. Validation Corp. 14 West Point Drive, East Northport, N.Y. 11731

DATA USABILITY SUMMARY REPORT (DUSR)

ORGANIC ANALYSIS

EPA Compendium Method TO-15
VOLATILES BY GC/MS
For Soil Vapor and Indoor/Ambient Air Samples
Collected December 08, 2022
From 133-10 39th Avenue, Flushing, New York
by AKRF, Inc.
Project No. – 210202
College Point Boulevard

SAMPLE DELIVERY GROUP NUMBER:
200-66118-1
Eurofins, Burlington, VT. [ELAP #10391]

SUBMITTED TO:

Ms. Asya Bychkov/Technical Director
AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016

December 22, 2022

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

Phone (516) 523-7891 email LABValidation@aol.com

College Point Boulevard
133-10 39th Avenue, Flushing, NY – December 2022
Data Validation Report: Volatile Organics by EPA Method TO15

Table of Contents:

Introduction
Data Qualifier Definitions
Sample Receipt

1.0 Volatile Organics by GC/MS EPA Compendium Method TO-15
- 1.1 Holding Time
- 1.2 Surrogate Standards
- 1.3 Matrix Spikes (MS), Matrix Spike Duplicates (MSD), Laboratory Duplicate, Field Duplicate Analysis
- 1.4 Laboratory Control Sample
- 1.5 Blank Contamination
- 1.6 GC/MS Instrument Performance Check
- 1.7 Initial and Continuing Calibrations
- 1.8 Internal Standards
- 1.9 Target Compound List Identification
- 1.10 Compound Quantification and Reported Detection Limits
- 1.11 Overall System Performance

APPENDICES:
A. Chain of Custody Document and Sample Receipt Checklist
B. Case Narrative
C. Data Summary Form Is with Qualifications

Introduction:
A validation was performed on soil vapor and ambient/indoor air samples for Volatile Organic analysis collected by AKRF, Inc. and submitted to Eurofins Burlington, VT. for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the field samples itemized below. The samples were collected on December 08, 2022.

The samples were analyzed by Eurofins utilizing EPA Method TO-15 and in accordance with NYSDEC Analytical Services Protocol (2005) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the TO-15 Compound List.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05), EPA SOP #HW31 (Revision 6-Updated September 2016) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix (Air Type)	Collection Date
133-10-39TH_SV-01_20221207	200-66118-1	Soil Vapor	12/08/2022
133-10-39TH_AA-01_20221207	200-66118-2	Ambient Air	12/08/2022
133-10_39TH_SV-02_20221207	200-66118-3	Soil Vapor	12/08/2022
133-10_39TH_IA-01_20221207	200-66118-4	Indoor Air	12/08/2022
133-10_39TH_SV-03_20221207	200-66118-5	Soil Vapor	12/08/2022
133-10_39TH_IA-02_20221207	200-66118-6	Indoor Air	12/08/2022

Data Qualifier Definitions:
The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

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

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ - The result is an estimated quantity, but the result may be biased high. Equis qualified, JK.

J- - The result is an estimated quantity, but the result may be biased low. Equis qualified, JL.

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 analyzed for but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

D - Analyte concentration was obtained from diluted analysis.

Sample Receipt:
The Chain of Custody document indicates that the air samples were received following completion of the sampling event on December 12, 2022. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no unresolved discrepancies were notated and therefore the integrity of the 6L summa canister samples is assumed to be good.

Summa Canisters were leak tested prior to collection of each sample. Initial pressure gauge is recorded on the chain of custody and is required to be approximately 30 psi with zero air. Acceptable canister pressure was observed for these samples. All canisters except 133-10-39TH_AA-01_20221208 pass the leak check requirements as documented on the "Post-Sampling Air Canister Pressure Check Record" provided in the lab report. Return pressure should be between -1 and -10 ("Hg). This sample vacuum was recorded at an elevated vacuum level (-11" Hg) on the chain of custody. As documented in the narrative discussion, the flow controller was evaluated based on the pre-sampling flow rate and determined to be outside flow range, therefore sample volume was adjusted for analysis. Reported results are not impacted.

The data summary Form I's included in Appendix C includes all and any usable (qualified) and unusable (rejected) results for the samples identified above and summarize the detailed narrative section of the report. Data validation qualifications have been reported on the Form I's for ease of review and verification.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by EPA Compendium Method TO-15
The following method criteria were reviewed: holding times, surrogate standards, LCS, Blanks, Laboratory Duplicate, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results are valid and useable as noted on the data summary Form I's in Appendix C and within the following text:

1.1 Holding Time
The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J." The non-detects (sample quantitation limits) are required to be flagged as estimated, "J," or unusable, "R," if the holding times are grossly exceeded.

Samples were analyzed within the method and technical required holding times of thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 Surrogate Standards
All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.
Samples were not spiked with surrogate standards. Method TO15 does not mandate the addition of surrogate standards.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)/Laboratory Duplicate /Field Duplicate Analysis

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix Spike/Matrix Spike Duplicate analysis is not mandated for Method TO15. Laboratory duplicate analysis was not provided in the lab report. Field Duplicate analysis was also not required. When performed, acceptable precision for air samples is 25%. Sample results could not be evaluated based on duplicate data. The following criteria are utilized for Field/Lab Duplicate analysis when performed:

Criteria	Detected Compounds	Non-Detected Compounds
The RPD is within the limits of 0 and 25%	No qualification	No qualification
The RPD >25%	J in the parent and duplicate samples	Not applicable
The RPD could not be calculated since the compound was only detected in either the parent of duplicate sample. However, the detected concentration was </=2x the reporting limit	No qualification	No qualification
The RPD could not be calculated since the compound was only detected in either the parent or duplicate sample However, the detected concentration was >2x the reporting limit.	J in the parent and duplicate sample	UJ in the parent of duplicate sample

1.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

The following table summarizes the LCS criteria and the data qualification guidelines for all associated field samples.

LCS	NOT QUALIFIED	J	R
% Recovery:			
Detects	70-130%	<70%, >130%	
Non-Detects	>/=130%	50-69%	<50%
Absolute RT of LCS Compounds:			
LCS Compounds in samples RT: (min)	+/-0 .33		>/=0.33

Acceptable LCS was analyzed with this SDG. Recovery values for all spiked compounds was determined to be >70%-<130%.

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination

of samples during shipment. Field blanks measure cross-contamination of samples during field operations. Storage blanks measure cross-contamination during sample storage of the field samples and are not required for TO15 analysis. Canister blanks measure cross-contamination from the sampling media. The following table was utilized to qualify target analyte results due to method blank contamination. The largest value from all the associated blanks is required to be utilized. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone
***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ppbv.

The table below is utilized to qualify samples with target compound results also present in certification blanks:

Certification Contamination	Sample Result	Action for Sample
>/=detect limit	>5x certification contamination	No qualification required
>/=detect limit	<detect limit	Detection limit "U"
>/=detect limit	>/=detect limit and </= 5x certification contamination level	5x certification contamination "U"
<detect limit	</=detection limit and >/= detection limit	No qualification

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

Method and Canister blanks were determined to be free of any contamination.

Acetone, Methylene Chloride, and 2-Butanone are common laboratory contaminants. The end user should proceed with caution when making decisions based on these lower-level detections since Acetone and Methylene Chloride are common solvents utilized in the organic extraction laboratory and could not be negated due to lack of presence in the corresponding blanks.

A) Field Blank Contamination:

Field Blank analysis was not required.

B) Trip Blank Contamination:

Trip Blank analysis was not required.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency (24 hours) for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can give acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R."

The following compounds can be >0.01 without qualification:
2-Butanone
Carbon Disulfide
Chloroethane
Chloromethane
1,2-Dibromoethane
1,2-Dichloropropane
1,4-Dioxane
1,2-Dibromo-3-chloropropane
Methylene Chloride

Response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) [or >/=0.01 for the 9 compounds above] and remaining analytes, for the initial and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <30%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ." If %RSD and %D grossly exceed QC criteria (>90%), non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Acceptable ICV was analyzed.

Initial Calibrations: The initial calibrations provided and the %RSD was within acceptable limits (30%) and (40%) for poor responders for all target compounds. Initial calibration verification standards (second source) met QC requirements.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (30%) and (40%) for poor responders for all reported compounds.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-40% to +40%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-20 seconds from the associated continuing calibration standard. If the area count is outside the (-40% to +40%) range of the associated standard, all positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity. If an internal standard retention time varies by more than 20 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Internal Standard area responses met QC requirements for all analysis as compared to the continuing calibration.

1.9 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. Retention times were within required specifications.

1.10 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis are acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Sample results have been presented in ug/m3 as well as ppbv on the laboratory reporting forms.

Samples were analyzed undiluted. Sample chromatograms for soil vapor samples demonstrate late-eluting non-target presence indicative of hydrocarbon presence.

1.11 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis. The data reported agrees with the raw data provided in the final report. The laboratory provided complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package.

Reviewer's Signature Lori A Beyer **Date** 12/22/2022

Appendix A
Chain of Custody Document
And Sample Receipt Checklist

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802 660 1990 fax 802.660 1919

NYC

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing America

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

Client Contact Information		Client Project Manager: ASYA BYCHKOV	Samples Collected By: CELIA MEYER	COC No:
Company Name: AKRF INC		Phone: 917 569 8916	cmeyer@akrf.com	1 of 1 COCs
Address: 440 PARK AVE SOUTH 7th FLOOR		Email: abychkov@akrf.com		TALS Project #:
City/State/Zip: NEW YORK, NY 10016		Site Contact: CELIA MEYER		For Lab Use Only:
Phone: 646-388-9758		Tel/Fax: 215 350 9943		Walk-in Client:
FAX:		Analysis Turnaround Time		Lab Sampling:
Project Name: 133-10 39th Ave		Standard (Specific):		Job / SDG No.:
Site/Location: FLUSHING, NY 11354		Rush (Specifiy):		(See below for Add'l Items)
PO # 210202				

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-14A (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:
133-10_39th_SV-01_20221207	12/07/2022	12:02	12/08/2022	12:02	-30	-7	8731	5430	X														
133-10_39th_AA-01_20221207	"	12:02	"	12:02	-22	-11	4867	3275	X														
133-10_39th_SV-02_20221207	"	12:49	"	12:49	-30	-5.5	3384	3620	X														
133-10_39th_IA-01_20221207	"	12:50	"	10:28	-27	0	2994	9244	X														
133-10_39th_SV-03_20221207	"	13:42	"	13:20	-29	-5	4529	6304	X														
133-10_39th_IA-02_20221207	"	13:42	"	13:20	-28	-6	3064	9287	X														

200-66118 Chain of Custody

Temperature (Fahrenheit)				
Start	Interior 67°	Ambient 57°		
Stop	105	52°		
Pressure (inches of Hg)				
Start	Interior 30.16	Ambient 30.16		
Stop	30.21	30.21		

Special Instructions/QC Requirements & Comments:

Category B deliverables - Standard 5-day TAT

Samples Shipped by: Celia Meyer AKRF	Date / Time: 12/08/2022	Samples Received by:	
Samples Relinquished by:	Date / Time: 12/08/22 16:00	Received by: T. Barsuk	12/9/22 10:30
Relinquished by:	Date / Time:	Received by:	
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-66118-1

Login Number: 66118
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix B
Case Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 133-10 39th Ave

Report Number: 200-66118-1

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

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

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

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

RECEIPT
The samples were received on 12/12/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Receipt Exceptions
During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: 133-10-39TH_AA-01_20221207. The associated flow controller was evaluated upon receipt and was found to be outside the acceptable flow range as compared to the original set flow rate

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

VOLATILE ORGANICS (AMBIENT AIR)
Samples 133-10-39TH_SV-01_20221207 (200-66118-1), 133-10-39TH_AA-01_20221207 (200-66118-2), 133-10_39TH_SV-02_20221207 (200-66118-3), 133-10_39TH_IA-01_20221207 (200-66118-4), 133-10_39TH_SV-03_20221207 (200-66118-5) and 133-10_39TH_IA-02_20221207 (200-66118-6) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 12/13/2022 and 12/14/2022.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

12/22/2022

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.

Compliance Statement

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

Authorization

Warleny Infante

Generated
12/14/2022 5:00 PM

Authorized for release by
Warleny M Infante, Project Management Assistant I
Warleny.Infante@et.eurofinsus.com
Designee for
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
203 308-0880

Appendix C
Data Summary Form I's
With Qualifications

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 | Lab Sample ID: 200-66118-1

Matrix: Air | Lab File ID: 53651-08.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 13:16

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.1	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.99	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	4.9		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.48	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	19		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	0.46	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	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	4.8	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.2	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.6		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.71	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.43	J	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	1.0		0.93	0.18

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 | Lab Sample ID: 200-66118-1

Matrix: Air | Lab File ID: 53651-08.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 13:16

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.5		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	3.6		0.82	0.23
79-01-6	Trichloroethene	131.39	3.7		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	5.8		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	1.7		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	1.4		0.87	0.23
179601-23-1	m,p-Xylene	106.17	3.9		2.2	0.41
95-47-6	o-Xylene	106.17	1.4		0.87	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	0.36	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	0.29	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.42	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.47	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	1.5		0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 Lab Sample ID: 200-66118-1

Matrix: Air Lab File ID: 53651-08.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 13:16

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.: 186631 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

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 | Lab Sample ID: 200-66118-1

Matrix: Air | Lab File ID: 53651-08.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 13:16

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.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.43	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.28	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	2.0		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.063	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	7.9		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	0.15	J	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	1.6	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.34	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.55		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.14	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.12	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.047		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.22		0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 Lab Sample ID: 200-66118-1

Matrix: Air Lab File ID: 53651-08.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 13:16

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.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.49		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	0.88		0.20	0.055
79-01-6	Trichloroethene	131.39	0.68		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.5		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	0.25		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	0.33		0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.91		0.50	0.095
95-47-6	o-Xylene	106.17	0.33		0.20	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	0.073	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	0.059	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.085	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.096	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	0.30		0.20	0.080

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_SV-01_20221207 | Lab Sample ID: 200-66118-1

Matrix: Air | Lab File ID: 53651-08.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 13:16

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.: 186631 | 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

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 Lab Sample ID: 200-66118-2

Matrix: Air Lab File ID: 53651-09.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) Date Analyzed: 12/13/2022 14:08

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.: 186631 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.6	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.0	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.1		1.0	0.31
106-97-8	n-Butane	58.12	8.2		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.27	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.48	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	13		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	0.66	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	1.6	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.46	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.31		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	0.97		0.93	0.18

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 | Lab Sample ID: 200-66118-2

Matrix: Air | Lab File ID: 53651-09.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) | Date Analyzed: 12/13/2022 14:08

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.4		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	0.97		0.82	0.23
79-01-6	Trichloroethene	131.39	1.6		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	3.7		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	0.33	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	0.84	J	0.87	0.23
179601-23-1	m,p-Xylene	106.17	2.7		2.2	0.41
95-47-6	o-Xylene	106.17	0.92		0.87	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	0.66	J	0.98	0.39

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 | Lab Sample ID: 200-66118-2

Matrix: Air | Lab File ID: 53651-09.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) | Date Analyzed: 12/13/2022 14:08

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.: 186631 | 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

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 | Lab Sample ID: 200-66118-2

Matrix: Air | Lab File ID: 53651-09.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) | Date Analyzed: 12/13/2022 14:08

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.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.33	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.28	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	0.52		0.50	0.15
106-97-8	n-Butane	58.12	3.5		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	0.12	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.063	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.4		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.19	J	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.45	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.49		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.13	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.049		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.21		0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 Lab Sample ID: 200-66118-2

Matrix: Air Lab File ID: 53651-09.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) Date Analyzed: 12/13/2022 14:08

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.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.44		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	0.24		0.20	0.055
79-01-6	Trichloroethene	131.39	0.30		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.99		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	0.048	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	0.62		0.50	0.095
95-47-6	o-Xylene	106.17	0.21		0.20	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.: 200-66118-1

SDG No.:

Client Sample ID: 133-10-39TH_AA-01_20221207 | Lab Sample ID: 200-66118-2

Matrix: Air | Lab File ID: 53651-09.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:02

Sample wt/vol: 500(mL) | Date Analyzed: 12/13/2022 14:08

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.: 186631 | 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

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 Lab Sample ID: 200-66118-3

Matrix: Air Lab File ID: 53651-14.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.9	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.83	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	2.6		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	0.61		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	2.4		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.45	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	55		12	3.8
67-63-0	Isopropyl alcohol	60.10	4.7	J	12	3.9
75-15-0	Carbon disulfide	76.14	1.1	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	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	5.7	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.2	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.1		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.36		0.20	0.083
67-66-3	Chloroform	119.38	6.1		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	0.56	J	1.1	0.24
110-82-7	Cyclohexane	84.16	0.66	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.32		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.0		0.93	0.18

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 | Lab Sample ID: 200-66118-3

Matrix: Air | Lab File ID: 53651-14.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.8		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	7.8		0.82	0.23
79-01-6	Trichloroethene	131.39	110		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	6.8		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	19		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	2.7		0.87	0.23
179601-23-1	m,p-Xylene	106.17	6.4		2.2	0.41
95-47-6	o-Xylene	106.17	2.2		0.87	0.23
100-42-5	Styrene	104.15	0.34	J	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	0.48	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.65	J	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.75	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	2.9		0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 Lab Sample ID: 200-66118-3

Matrix: Air Lab File ID: 53651-14.D

Analysis Method: TO-15 Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 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

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 | Lab Sample ID: 200-66118-3

Matrix: Air | Lab File ID: 53651-14.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.37	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.23	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	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	0.28		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	0.43		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.058	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	23		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	1.9	J	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.36	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	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	1.9	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.35	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.1		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.090		0.050	0.021
67-66-3	Chloroform	119.38	1.2		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	0.10	J	0.20	0.044
110-82-7	Cyclohexane	84.16	0.19	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.051		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.22		0.20	0.038

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 | Lab Sample ID: 200-66118-3

Matrix: Air | Lab File ID: 53651-14.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.56		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	1.9		0.20	0.055
79-01-6	Trichloroethene	131.39	21		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.8		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	2.8		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	0.62		0.20	0.052
179601-23-1	m,p-Xylene	106.17	1.5		0.50	0.095
95-47-6	o-Xylene	106.17	0.52		0.20	0.052
100-42-5	Styrene	104.15	0.080	J	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	0.098	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.13	J	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.15	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	0.58		0.20	0.080

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-02_20221207 | Lab Sample ID: 200-66118-3

Matrix: Air | Lab File ID: 53651-14.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 12:49

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 18:30

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | 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

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 | Lab Sample ID: 200-66118-4

Matrix: Air | Lab File ID: 53651-15.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 19:22

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.8	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.98	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.2		1.0	0.31
106-97-8	n-Butane	58.12	14		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	0.25	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.0	J	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.46	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	25		12	3.8
67-63-0	Isopropyl alcohol	60.10	23		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	0.75	J	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	2.6		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.8		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.23	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.75		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.32		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.3		0.93	0.18

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 | Lab Sample ID: 200-66118-4

Matrix: Air | Lab File ID: 53651-15.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 19:22

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.5		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	1.3		0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	4.2		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	0.53	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	0.89		0.87	0.23
179601-23-1	m,p-Xylene	106.17	2.7		2.2	0.41
95-47-6	o-Xylene	106.17	0.97		0.87	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	0.72	J	0.98	0.39

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 | Lab Sample ID: 200-66118-4

Matrix: Air | Lab File ID: 53651-15.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 19:22

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.: 186631 | 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

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 Lab Sample ID: 200-66118-4

Matrix: Air Lab File ID: 53651-15.D

Analysis Method: TO-15 Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 19:22

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.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.37	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.28	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	0.56		0.50	0.15
106-97-8	n-Butane	58.12	6.0		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	0.11	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.18	J	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.061	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	10		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	9.2		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	0.22	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	0.73		0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.60		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.048	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.22		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.051		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.28		0.20	0.038

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 | Lab Sample ID: 200-66118-4

Matrix: Air | Lab File ID: 53651-15.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 19:22

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.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.46		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	0.32		0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.1		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	0.079	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	0.20		0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.63		0.50	0.095
95-47-6	o-Xylene	106.17	0.22		0.20	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	0.15	J	0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-01_20221207 Lab Sample ID: 200-66118-4

Matrix: Air Lab File ID: 53651-15.D

Analysis Method: TO-15 Date Collected: 12/08/2022 10:28

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 19:22

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.: 186631 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

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 Lab Sample ID: 200-66118-5

Matrix: Air Lab File ID: 53651-20.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 23:44

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.: 186631 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.6	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.82	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.3		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	0.11	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.51	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	13		12	3.8
67-63-0	Isopropyl alcohol	60.10	4.8	J	12	3.9
75-15-0	Carbon disulfide	76.14	1.6	U	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	7.0	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.11	J	0.79	0.091
110-54-3	n-Hexane	86.17	1.7	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	2.7		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	14	J	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.2		1.1	0.24
110-82-7	Cyclohexane	84.16	3.4		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.34		0.22	0.14
540-84-1	2,2,4-Trimethylpentane	114.23	1.9		0.93	0.18

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 | Lab Sample ID: 200-66118-5

Matrix: Air | Lab File ID: 53651-20.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 23:44

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.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	2.2		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	6.5		0.82	0.23
79-01-6	Trichloroethene	131.39	21		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	10		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	29		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	2.3		0.87	0.23
179601-23-1	m,p-Xylene	106.17	6.7		2.2	0.41
95-47-6	o-Xylene	106.17	2.4		0.87	0.23
100-42-5	Styrene	104.15	0.51	J	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.64	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	0.53	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	0.88	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	3.0		0.98	0.39

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 | Lab Sample ID: 200-66118-5

Matrix: Air | Lab File ID: 53651-20.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 23:44

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.: 186631 | 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	0.33	J	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.6	U	2.6	1.6

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 Lab Sample ID: 200-66118-5

Matrix: Air Lab File ID: 53651-20.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 23:44

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.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.32	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.23	J	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.53		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	0.051	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.19		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.067	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.5		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	2.0	J	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.50	U	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	2.3	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.027	J	0.20	0.023
110-54-3	n-Hexane	86.17	0.49	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.84		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.55		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	4.7	J	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.21		0.20	0.044
110-82-7	Cyclohexane	84.16	0.98		0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.054		0.035	0.022
540-84-1	2,2,4-Trimethylpentane	114.23	0.41		0.20	0.038

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 | Lab Sample ID: 200-66118-5

Matrix: Air | Lab File ID: 53651-20.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) | Date Analyzed: 12/13/2022 23:44

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.: 186631 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.70		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	1.6		0.20	0.055
79-01-6	Trichloroethene	131.39	3.8		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	2.6		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	4.3		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	0.53		0.20	0.052
179601-23-1	m,p-Xylene	106.17	1.5		0.50	0.095
95-47-6	o-Xylene	106.17	0.55		0.20	0.052
100-42-5	Styrene	104.15	0.12	J	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.13	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	0.11	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	0.18	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	0.61		0.20	0.080

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_SV-03_20221207 Lab Sample ID: 200-66118-5

Matrix: Air Lab File ID: 53651-20.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/13/2022 23:44

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.: 186631 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	0.061	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

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 | Lab Sample ID: 200-66118-6

Matrix: Air | Lab File ID: 53651-21.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) | Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	1.7	J	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	0.86	J	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.2		1.0	0.31
106-97-8	n-Butane	58.12	11		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	0.19	J	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	0.90	J	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.45	J	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	29		12	3.8
67-63-0	Isopropyl alcohol	60.10	54		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	1.7	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	2.3		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.24	J	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.74		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	0.96		0.93	0.18

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 Lab Sample ID: 200-66118-6

Matrix: Air Lab File ID: 53651-21.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	1.5		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	0.95		0.82	0.23
79-01-6	Trichloroethene	131.39	0.14	J	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	3.8		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		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	1.1		0.87	0.23
179601-23-1	m,p-Xylene	106.17	3.2		2.2	0.41
95-47-6	o-Xylene	106.17	1.1		0.87	0.23
100-42-5	Styrene	104.15	0.59	J	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	0.61	J	0.98	0.39

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 Lab Sample ID: 200-66118-6

Matrix: Air Lab File ID: 53651-21.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 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

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 Lab Sample ID: 200-66118-6

Matrix: Air Lab File ID: 53651-21.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.34	J	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.24	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	0.56		0.50	0.15
106-97-8	n-Butane	58.12	4.6		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	0.088	J	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.16	J	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.058	J	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	12		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	22		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	0.49	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.79		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.049	J	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.22		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	0.21		0.20	0.038

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

Lab Name: Eurofins Burlington Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 Lab Sample ID: 200-66118-6

Matrix: Air Lab File ID: 53651-21.D

Analysis Method: TO-15 Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-43-2	Benzene	78.11	0.46		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	0.23		0.20	0.055
79-01-6	Trichloroethene	131.39	0.025	J	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	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	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	1.0		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		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	0.24		0.20	0.052
179601-23-1	m,p-Xylene	106.17	0.73		0.50	0.095
95-47-6	o-Xylene	106.17	0.26		0.20	0.052
100-42-5	Styrene	104.15	0.14	J	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	0.12	J	0.20	0.080

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

Lab Name: Eurofins Burlington | Job No.: 200-66118-1

SDG No.:

Client Sample ID: 133-10_39TH_IA-02_20221207 | Lab Sample ID: 200-66118-6

Matrix: Air | Lab File ID: 53651-21.D

Analysis Method: TO-15 | Date Collected: 12/08/2022 13:20

Sample wt/vol: 200(mL) | Date Analyzed: 12/14/2022 00:37

Soil Aliquot Vol: | Dilution Factor: 1

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

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

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

Analysis Batch No.: 186631 | 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