May 30, 2023

Mr. Chris Roberts
Telfar Holding Inc.
2483 Coney Island Avenue
Brooklyn, NY, 11223

Re: SSDS Monitoring and Soil Vapor Intrusion Investigation
11-24 Wyckoff Ave
Queens, New York 11385

Dear Mr. Roberts:

Roux Environmental Engineering and Geology, D.P.C. (Roux) has prepared this Sub-Slab Depressurization System (SSDS) Monitoring and Soil Vapor Intrusion (SVI) Investigation Report (Report) for Telfar Holding Inc. (Telfar) to summarize the soil vapor and indoor air investigation performed at the property located at 11-24 Wyckoff Avenue, Queens, New York (Site). A Site location map is included as Figure 1.

Background Information

Roux completed a Phase I ESA in March 2023. The Phase I ESA identified that the Site was developed prior to 1902 and operated as an auto laundry in the early 1900s and then operated as a knitting mill from approximately 1950 through 2005 before being occupied by Telfar. Roux identified the following Recognized Environmental Conditions during the Phase I ESA:

- Presence of Chlorinated Solvents in Soil, Groundwater and Soil Vapor and Historical Site Usage: The Site was investigated in two Phase II ESAs conducted by WCD Group, LLC (WCD) in September 2018 and December 2018. The original Phase II consisted of limited soil and soil vapor sampling, which identified tetrachloroethylene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA) at concentrations below regulatory criteria in the soil samples. Soil vapor samples indicated the same compounds at moderate to significant concentrations which when compared to New York State Department of Health (NYSDOH) Matrix Tables recommended mitigation of the identified vapor. Additional work was performed in a follow up December 2018 Phase II which also consisted of the collection of a single groundwater sample and additional soil samples. This groundwater sample was identified to have PCE at a concentration of 150 µg/L and trichloroethylene (TCE) at a concentration of 5.3 µg/L which exceed their respective New York State Department of Environmental Conservation (NYSDEC) groundwater standards of 5 µg/L. As the compounds were detected in soil, groundwater and soil vapor, there is potential that chlorinated solvents were used at the Subject Property historically as part of the knitting mill, textile and auto laundry operations. There is still potential that there is a source of chlorinated solvents in the soil that has not been identified. There is an active SSDS in place and operating at the Site, for mitigation of potential soil vapor intrusion.
- Surrounding Industrial and Manufacturing Usage: The Site was historically adjoined to the east with a gasoline filling station which was identified to have buried gasoline tanks. An additional gasoline filling station appears to be located approximately 115-feet to the northwest in the 1936-1950 Sanborn Maps at 1102 Wyckoff Avenue. Additional industrial/ manufacturing uses were identified in close proximity to the Site to the west with potential to adversely impact upon the Site and include: auto repair/ duco paint spraying, brass casting, paper tube and cardboard manufacturing, wood box manufacturing and soap manufacturing. These uses were generally identified before 1980 and the area to the west was noted as unspecified manufacturing after

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

1980 until the most recent 2006 Sanborn Map. The surrounding industrial/manufacturing uses have the potential to adversely impact upon the environmental quality of the Site and the surrounding area.

Roux did not identify any Historical RECs (HRECs) or Controlled RECs (CRECs) in connection with the Site. Roux identified the following Business Environmental Risks (BERs) in connection with the Site:

- Presence of Historic Fill Material: The Site was identified to have poor quality fill material with elevated concentrations of semi-volatile organic compounds (SVOCs) characterized as Polycyclic Aromatic Hydrocarbons (PAHs) from the samples collected in the vicinity and underneath the closed-in-pace underground storage tank (UST). The presence of the fill material and SVOCs does not appear to be related to historical Site usage but historical developments and demolitions that may have imported fill materials from unknown origins. The presence of this material should be considered during any future soil disposal and redevelopment scenarios.
- Presence of an Abandoned 2,000-gallon UST: The Site currently has a closed-in-place UST in the southern portion of the building. The UST was investigated in a tank closure report prepared by Gallagher Bassett Technical Services (GBTS) in March 2020 and samples collected from underneath and around the tank did not identify any releases from the UST. The tank itself and interior contents (concrete) are still considered a BER as any future redevelopment that disturbs the tank area may require its removal and subsequent disposal in accordance with local, state and federal laws.

Due to Roux's understanding of the reported current and previous Site operations, Roux suggested that additional evaluation of environmental conditions is warranted. SSDS monitoring, soil vapor sampling, and indoor air sampling were conducted in order to evaluate existing environmental quality of indoor air and soil vapor beneath the Site that may have been impacted from past Site and surrounding property uses.

SSDS Monitoring & Soil Vapor Investigation

The following section describes the tasks that were completed during the SSDS monitoring and SVI Investigation, which included the below activities:

- Collection of vacuum readings from existing soil vapor monitoring points within the Site building and inspection of all SSDS piping and the associated blowers to confirm that the existing SSDS is operating properly (it should be noted that Roux did not go up on the roof where some of the SSDS equipment is located);
- The collection of six soil vapor samples from existing sub-slab soil vapor monitoring points within the Site building;
- The collection of six indoor air samples; and
- The collection of one outdoor air sample.

A sample location map is included as Figure 2 and complete copies of the Laboratory Analytical Reports are provided in Attachment 1. The field activities completed are discussed in the following subsections.

SSDS Monitoring

On April 6, 2023, Roux arrived on Site with the goal of completing the SSDS monitoring and SVI sampling. The SSDS monitoring included taking vacuum readings from the existing soil vapor monitoring points within the building (SSMP-1 through SSMP-9) and inspecting SSDS piping and the associated blowers to confirm that the SSDS was operating properly. The vacuum readings collected were generally at or above the ideal vacuum of -0.004 inches of water (inH_2O), signifying that the SSDS

may not be operating properly. Field personnel adjusted the valves of the system to attempt to remedy the problem, which helped strengthen the vacuum marginally in one area, but did not fully solve the problem. After consultation with Telfar, it was determined that the SSDS needed further calibration and soil vapor samples should be collected at a later date once the SSDS was operating properly and all points registered an adequate negative vacuum (less than -0.004 inH_2O).

On April 28, 2023, the seller's consultant, GBTS, arrived on Site to troubleshoot the SSDS. Once the SSDS was successfully repaired and the valves were adjusted to optimize performance, Roux was made aware, and remobilization began. On May 3, 2023, Roux returned to the Site to retake vacuum readings. All soil vapor monitoring points were at or below a vacuum of -0.004 inH_2O, confirming that the SSDS was operating properly and monitoring points could be sampled.

Sub-Slab Soil Vapor, Indoor Air, and Outdoor Air Sampling

On April 6, 2023, prior to sample collection, a helium tracer gas test was performed on each sub-slab vapor point to be sampled (SSMP-1, SSMP-2, SSMP-3, SSMP-4, SSMP-7 and SSMP-8), in accordance with the procedures outlined in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, to confirm the seal integrity of each location. This step was conducted as a quality assurance/quality control measure to verify that the sub-slab soil vapor sample was not compromised by inadvertent introduction of ambient air into the sample. Helium was not detected from the sample tubing at a concentration greater than 10% of the helium detected in the enriched area (i.e., within the enclosure) at all locations, therefore, the helium tracer test verified the integrity of each of these points.

On May 3, 2023, Roux sampled six existing sub-slab soil vapor points within the building on Site (SSMP-1, SSMP-2, SSMP-3, SSMP-4, SSMP-7 and SSMP-8). Two sub-slab soil vapor samples were collected from the basement (SSMP-7 and SSMP-8) and four soil vapor samples were collected from the main floor within the building (two on each side; SSM-1, SSMP-2, SSMP-3, and SSMP-4). In addition, six indoor air samples were collected concurrently adjacent to each sub-slab soil vapor sampling point. An outdoor ambient air sample was also collected. Each sub-slab soil vapor, indoor air sample and the ambient air sample were collected using pre-cleaned (batch certified) summa canisters with regulators calibrated to collect samples over an eight-hour period. All sub-slab soil vapor and indoor/ambient air samples were sent to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory and analyzed for volatile organic compounds (VOCs) using United State Environmental Protection Agency (USEPA) Method TO-15.

Results

The following section presents the results of the soil vapor, indoor air, and outdoor air sampling and laboratory analysis. A summary of the SVI sampling results are presented on Table 1 and the laboratory analytical results package is included in Attachment 1. A summary of detections in soil vapor and indoor air are included on Figure 2.

Petroleum-related VOCs including benzene, toluene, ethylbenzene, and xylenes were detected at relatively low concentrations in all samples collected. There are no NYSDOH guidance values for petroleum-related VOCs.Chlorinated VOCs (CVOCs) were also detected in the soil vapor and indoor air samples. The NYSDOH Guidance provides three matrices with guidance values for sub-slab and indoor air concentrations for eight CVOCs. The matrices provide guidance relative to carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, TCE, PCE, 1,1,1-TCA, methylene chloride and vinyl chloride.

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

- Carbon tetrachloride was detected in all indoor air samples, with a maximum concentration of 0.54 micrograms per cubic meter (µg/m^3) at SSMP-7_IA. It was also detected in outdoor ambient air sample OA-1 at 0.459 µg/m^3. Carbon tetrachloride was not detected in any soil vapor samples.

- Cis-1,2-dichloroethene was detected in outdoor ambient air sample OA-1 with a concentration of 0.4107 µg/m^3. Cis-1,2-dichloroethene was not detected in any soil vapor or indoor air samples.
- 1,1-dichloroethene was not detected in any samples.
- TCE was detected in the outdoor ambient air sample OA-1 with a concentration of 1.08 µg/m^3. TCE was detected in one soil vapor sample, SSMP-7, with a concentration of 17 µg/m^3. TCE was not detected in any indoor air samples.

Matrix B compounds: PCE, 1,1,1-TCA, methylene chloride

- PCE was detected in all but one indoor air sample, SSMP-7_IA, with a maximum concentration of 0.373 µg/m^3 at SSMP-4_IA. PCE was detected in two soil vapor samples, SSMP-7 and SSMP-8, with a maximum concentration of 18.6 µg/m^3 at SSMP-8. PCE was detected in the outdoor ambient air sample OA-1 with a concentration of 1.53 µg/m^3.
- 1,1,1-TCA was detected in two soil vapor samples, SSMP-7 and SSMP-8, with a maximum concentration of 4.3 µg/m^3 at SSMP-7. 1,1,1-TCA was not detected in the indoor air or outdoor ambient air samples.
- Methylene chloride was detected in the outdoor ambient air sample OA-1, with a concentration of 1.81 µg/m^3. Methylene chloride was not detected in any soil vapor or indoor air samples.

Matrix C compound: vinyl chloride

- Vinyl chloride was not detected in any samples.

Based on the available data, the NYSDOH matrices identify that no further action is required to address any of the eight SVOCs (carbon tetrachloride, cis-1,2-dichloroethene, 1,1-dichloroethene, TCE, PCE, 1,1,1-TCA, methylene chloride and vinyl chloride) and that the SSDS appears to be adequately addressing the potential for SVI into the building.

Conclusions and Recommendations

The SSDS monitoring and SVI Investigation confirmed that the SSDS appears to be working properly to address the SVI concerns. Due to the initial issues with the SSDS vacuum readings and the presence of low level petroleum-related VOCs and CVOCs, it is Roux's recommendation to continue running the SSDS and to conduct quaretly SSDS inspections/vacuum monitoring (which is typical for systems such as this), as well as annual soil vapor and indoor air sampling.

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

Sincerely,

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

Sarah Stern
Project Geologist

Noelle Clarke, P.E.
Principal Engineer

TABLES

1. Summary of Volatile Organic Compounds in Soil Vapor

Notes Utilized Throughout Tables
Soil Vapor/Ambient Air
J - Estimated value
U - The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
ug/m3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

Table 1. Summary of Volatile Organic Compounds in Soil Vapor, 11-24 Wyckoff Avenue, Queens, New York

Sample Designation:		OA-1	SSMP-1	SSMP-1_IA	SSMP-2	SSMP-2_IA	SSMP-3	SSMP-3_IA	SSMP-4	SSMP-4_IA
Sample Date:		05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023
Parameter	Units									
1,1,1-Trichloroethane (TCA)	UG/M3	0.109 U	1.09 U	0.109 U	1.09 U	0.109 U	1.09 U	0.109 U	1.09 U	0.109 U
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	0.983 U	**1.4**	**1.31**	0.983 U	**1.95**	0.983 U	**1.74**	0.983 U	**1.96**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	UG/M3	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	**1.51**	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	0.934 U	**0.943**	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
2-Hexanone	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
4-Ethyltoluene	UG/M3	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
Acetone	UG/M3	**10.1**	**12.3**	**41.8**	**41.8**	**58.7**	**8.72**	**53.7**	**41.8**	**56.1**
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	**0.776**	**0.671**	0.639 U	**0.722**	0.639 U	0.639 U	0.639 U	0.639 U	**0.716**
Benzyl Chloride	UG/M3	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	0.623 U	0.623 U	**0.722**	0.623 U	**1.76**	0.623 U	0.623 U	0.623 U
Carbon Tetrachloride	UG/M3	**0.459**	1.26 U	**0.484**	1.26 U	**0.465**	1.26 U	**0.478**	1.26 U	**0.465**
Chlorobenzene	UG/M3	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane	UG/M3	**1.08**	**1.26**	**1.1**	**1.05**	**1.16**	0.413 U	**1.08**	**1.06**	**1.15**
Cis-1,2-Dichloroethylene	UG/M3	**0.083**	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	UG/M3	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U

Table 1. Summary of Volatile Organic Compounds in Soil Vapor, 11-24 Wyckoff Avenue, Queens, New York

Sample Designation:		OA-1	SSMP-1	SSMP-1_IA	SSMP-2	SSMP-2_IA	SSMP-3	SSMP-3_IA	SSMP-4	SSMP-4_IA
Sample Date:		05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023	05/03/2023
Parameter	Units									
Dichlorodifluoromethane	UG/M3	**2.33**	**2.35**	**2.37**	**2.33**	**2.39**	**2.32**	**2.28**	**2.31**	**2.31**
Ethanol	UG/M3	**14.9**	**25.8**	**13.6**	**39.8**	**15.8**	**71.8**	**31.1**	**44.1**	**54.3**
Ethyl Acetate	UG/M3	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U	0.869 U
Hexachlorobutadiene	UG/M3	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	**1.59**	**1.88**	**1.72**	**2.7**	**2.19**	**4.15**	**3.12**	**3.91**	**4.84**
m,p-Xylene	UG/M3	1.74 U	**2.52**	1.74 U	**2.24**	**1.75**	**2.68**	1.74 U	**2.51**	**2.15**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	1.47 U	**3.51**	1.47 U	**2.17**	1.47 U	**1.63**	1.47 U	**1.49**	1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	2.05 U	2.05 U	2.05 U	**2.41**	2.05 U	**2.86**	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	**1.81**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U	0.82 U
N-Hexane	UG/M3	**1.33**	**0.839**	**0.807**	**0.733**	**0.899**	0.705 U	**1.13**	**0.708**	**1.74**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	0.869 U	**1.17**	0.869 U	**0.921**	0.869 U	**1.08**	0.869 U	**1.16**	0.869 U
Styrene	UG/M3	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tert-Butyl Alcohol	UG/M3	1.52 U	1.52 U	1.52 U	**1.93**	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	**1.53**	1.36 U	**0.21**	1.36 U	**0.197**	1.36 U	**0.251**	1.36 U	**0.373**
Tetrahydrofuran	UG/M3	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	UG/M3	**2.28**	**2.79**	**1.9**	**2.86**	**2.11**	**3.35**	**2.47**	**2.69**	**2.95**
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	**1.08**	1.07 U	0.107 U	1.07 U	0.107 U	1.07 U	0.107 U	1.07 U	0.107 U
Trichlorofluoromethane	UG/M3	**1.14**	**1.19**	**1.2**	**1.21**	**1.23**	**1.17**	**1.12**	**1.14**	**1.16**
Vinyl Bromide	UG/M3	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U

Table 1. Summary of Volatile Organic Compounds in Soil Vapor, 11-24 Wyckoff Avenue, Queens, New York

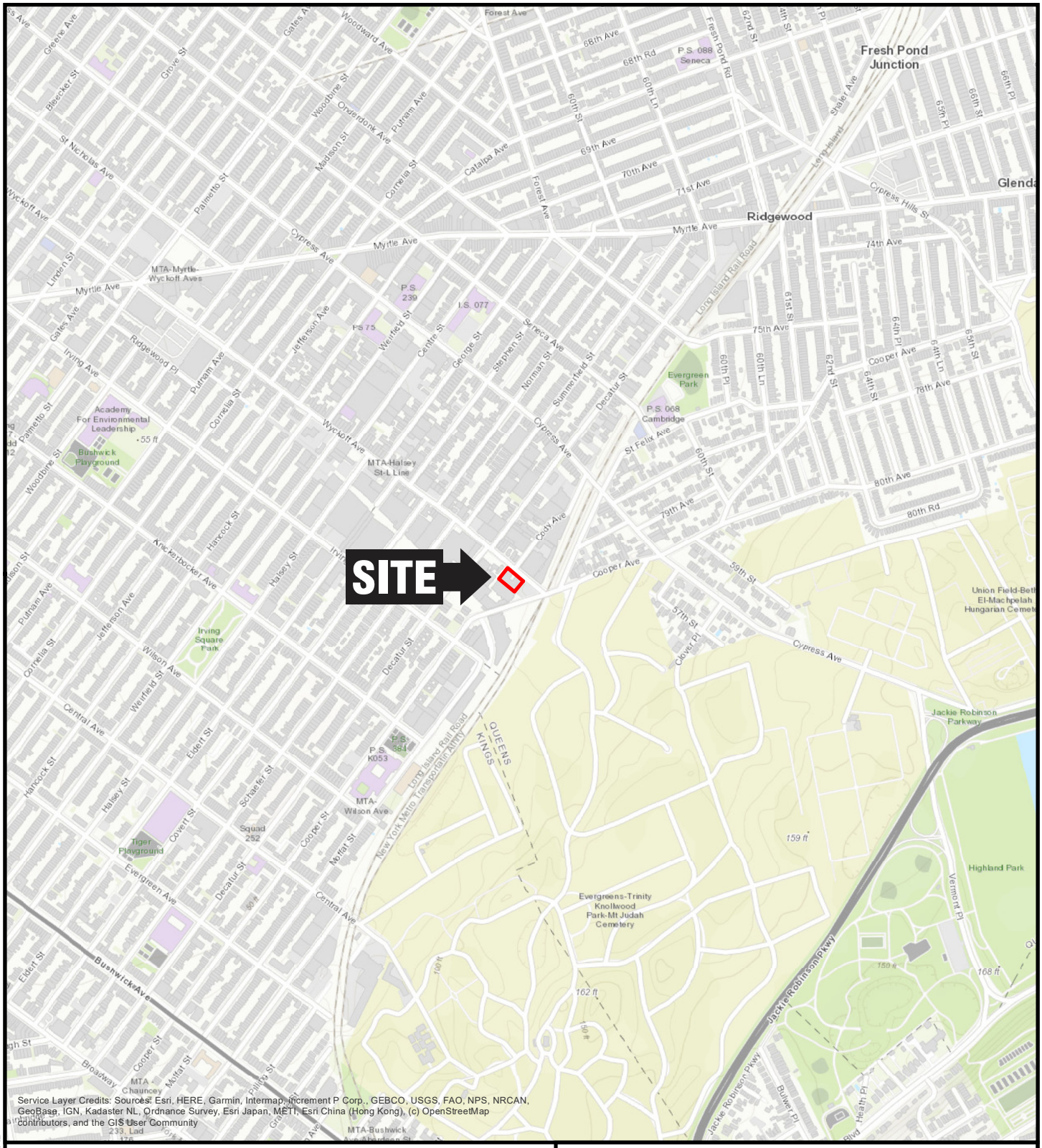
Sample Designation:		SSMP-7	SSMP-7_IA	SSMP-8	SSMP-8_IA
Sample Date:		05/03/2023	05/03/2023	05/03/2023	05/03/2023
Parameter	Units				
1,1,1-Trichloroethane (TCA)	UG/M3	**4.3**	0.24 U	**3.4**	0.109 U
1,1,2,2-Tetrachloroethane	UG/M3	1.37 U	0.302 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	1.53 U	0.843 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	1.09 U	0.24 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	0.809 U	0.178 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	0.793 U	0.174 U	0.793 U	0.079 U
1,2,4-Trichlorobenzene	UG/M3	1.48 U	0.817 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	0.983 U	**2.12**	**3.97**	**2.32**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	1.54 U	0.338 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	1.2 U	0.265 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	0.809 U	0.178 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	0.924 U	0.203 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	1.4 U	0.769 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	0.983 U	**0.605**	**1.05**	0.983 U
1,3-Butadiene	UG/M3	0.442 U	0.097 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	**2.45**	0.265 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	1.2 U	0.265 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	0.721 U	0.793 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	UG/M3	0.934 U	2.06 U	0.934 U	0.934 U
2-Hexanone	UG/M3	**0.861**	1.8 U	0.82 U	0.82 U
4-Ethyltoluene	UG/M3	0.983 U	**0.551**	0.983 U	0.983 U
Acetone	UG/M3	**12.9**	**45.8**	**7.79**	**54.2**
Allyl Chloride (3-Chloropropene)	UG/M3	0.626 U	1.38 U	0.626 U	0.626 U
Benzene	UG/M3	0.639 U	**0.738**	0.639 U	**0.693**
Benzyl Chloride	UG/M3	1.04 U	1.14 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	1.34 U	0.295 U	1.34 U	1.34 U
Bromoform	UG/M3	2.07 U	0.455 U	2.07 U	2.07 U
Bromomethane	UG/M3	0.777 U	0.171 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	0.623 U	1.37 U	0.623 U	0.623 U
Carbon Tetrachloride	UG/M3	1.26 U	**0.54**	1.26 U	**0.453**
Chlorobenzene	UG/M3	0.921 U	1.01 U	0.921 U	0.921 U
Chloroethane	UG/M3	0.528 U	0.581 U	0.528 U	0.528 U
Chloroform	UG/M3	0.977 U	0.215 U	**1.62**	0.977 U
Chloromethane	UG/M3	0.413 U	**1.1**	0.413 U	**1.12**
Cis-1,2-Dichloroethylene	UG/M3	0.793 U	0.174 U	0.793 U	0.079 U
Cis-1,3-Dichloropropene	UG/M3	0.908 U	0.2 U	0.908 U	0.908 U
Cyclohexane	UG/M3	0.688 U	1.51 U	0.688 U	0.688 U
Dibromochloromethane	UG/M3	1.7 U	0.375 U	1.7 U	1.7 U

Table 1. Summary of Volatile Organic Compounds in Soil Vapor, 11-24 Wyckoff Avenue, Queens, New York

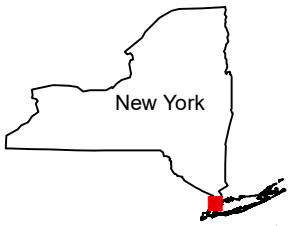
Sample Designation:		SSMP-7	SSMP-7_IA	SSMP-8	SSMP-8_IA
Sample Date:		05/03/2023	05/03/2023	05/03/2023	05/03/2023
Parameter	Units				
Dichlorodifluoromethane	UG/M3	**1.91**	**2.33**	0.989 U	**2.35**
Ethanol	UG/M3	**98.9**	**31.8**	**43.3**	**28.6**
Ethyl Acetate	UG/M3	1.8 U	3.96 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	**1.02**	**0.556**	**1.52**	0.869 U
Hexachlorobutadiene	UG/M3	2.13 U	1.17 U	2.13 U	2.13 U
Isopropanol	UG/M3	**10.3**	**2.8**	**3.12**	**2.85**
m,p-Xylene	UG/M3	**3.4**	**1.82**	**5.43**	1.74 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**2.34**	3.24 U	1.47 U	1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**2.08**	4.51 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	1.74 U	3.82 U	1.74 U	1.74 U
N-Heptane	UG/M3	0.82 U	1.8 U	**0.869**	0.82 U
N-Hexane	UG/M3	0.705 U	1.55 U	**1.07**	**1**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**1.58**	**0.747**	**2.54**	0.869 U
Styrene	UG/M3	0.852 U	0.187 U	0.852 U	0.852 U
Tert-Butyl Alcohol	UG/M3	**2.51**	3.33 U	1.52 U	1.52 U
Tert-Butyl Methyl Ether	UG/M3	0.721 U	1.59 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	UG/M3	**1.57**	0.298 U	**18.6**	**0.244**
Tetrahydrofuran	UG/M3	1.47 U	3.24 U	1.47 U	1.47 U
Toluene	UG/M3	**3.06**	**2.25**	**6.82**	**2.26**
Trans-1,2-Dichloroethene	UG/M3	0.793 U	0.174 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	0.908 U	0.2 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	**17**	0.236 U	1.07 U	0.107 U
Trichlorofluoromethane	UG/M3	**1.21**	**1.17**	**1.84**	**1.17**
Vinyl Bromide	UG/M3	0.874 U	1.92 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	0.511 U	0.112 U	0.511 U	0.051 U

FIGURES

1. Site Location Map
2. Sub-Slab Depressurization System Layout and Detections In Soil Vapor and Indoor Air



QUADRANGLE LOCATION



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

11-24 WYCKOFF AVENUE, QUEENS, NY

Prepared for:

TELFAR HOLDING INC.

ROUX

Compiled by: A.N.	Date: 05/24/23
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: A.N.	Project: 4167.0001Y000
File: 4167.0001Y103.1.mxd	

FIGURE 1

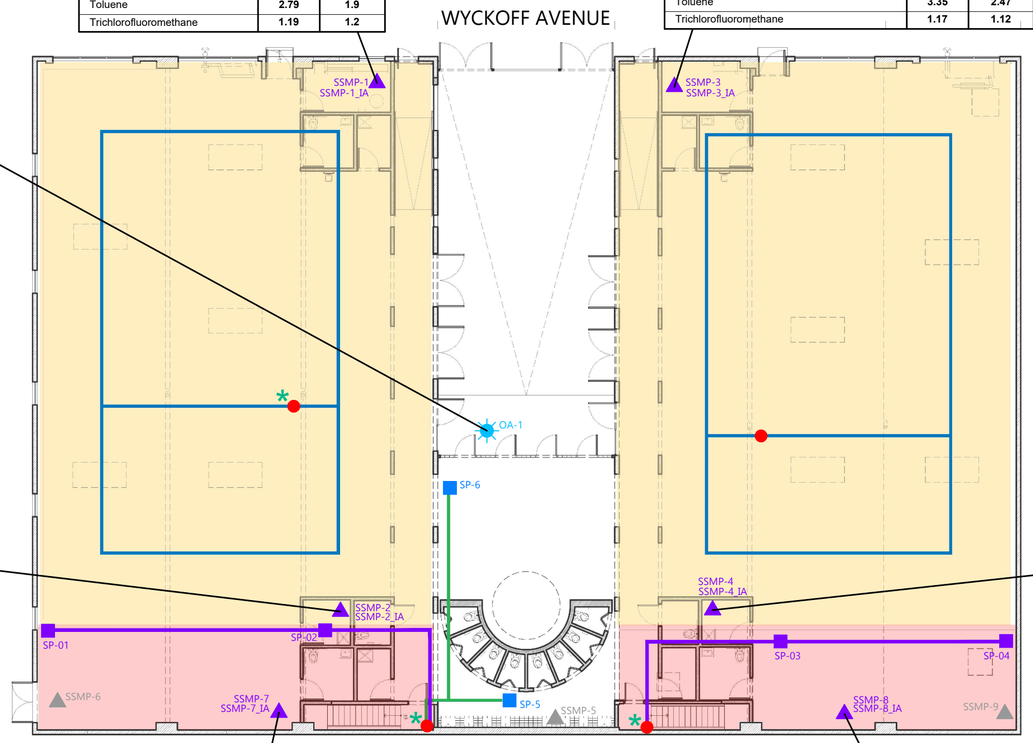
V:\GIS\PROJECTS\4167\0001Y\103\4167.0001Y103.1.MXD

SSMP-1/SSMP-1_IA	05/03/2023	05/03/2023
	SSMP-1	SSMP-1_IA
VOCs		
1,2,4-Trimethylbenzene	**1.4**	**1.31**
2,2,4-Trimethylpentane	**0.943**	ND
Acetone	**12.3**	**41.8**
Benzene	**0.671**	ND
Carbon Tetrachloride	ND	**0.484**
Chloromethane	**1.26**	**1.1**
Dichlorodifluoromethane	**2.35**	**2.37**
Ethanol	**25.8**	**13.6**
Isopropanol	**1.88**	**1.72**
m,p-Xylene	**2.52**	ND
Methyl Ethyl Ketone (2-Butanone)	**3.51**	ND
N-Hexane	**0.839**	**0.807**
O-Xylene (1,2-Dimethylbenzene)	**1.17**	ND
Tetrachloroethylene (PCE)	ND	**0.21**
Toluene	**2.79**	**1.9**
Trichlorofluoromethane	**1.19**	**1.2**

SSMP-3/SSMP-3_IA	05/03/2023	05/03/2023
	SSMP-3	SSMP-3_IA
VOCs		
1,2,4-Trimethylbenzene	ND	**1.74**
Acetone	**8.72**	**53.7**
Carbon Disulfide	**1.76**	ND
Carbon Tetrachloride	ND	**0.478**
Chloromethane	ND	**1.08**
Dichlorodifluoromethane	**2.32**	**2.28**
Ethanol	**71.8**	**31.1**
Isopropanol	**4.15**	**3.12**
m,p-Xylene	**2.68**	ND
Methyl Ethyl Ketone (2-Butanone)	**1.63**	ND
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**2.86**	ND
N-Hexane	ND	**1.13**
O-Xylene (1,2-Dimethylbenzene)	**1.08**	ND
Tetrachloroethylene (PCE)	ND	**0.251**
Toluene	**3.35**	**2.47**
Trichlorofluoromethane	**1.17**	**1.12**

OA-1	05/03/2023
VOCs	
Acetone	**10.1**
Benzene	**0.776**
Carbon Tetrachloride	**0.459**
Chloromethane	**1.08**
Cis-1,2-Dichloroethylene	**0.083**
Dichlorodifluoromethane	**2.33**
Ethanol	**14.9**
Isopropanol	**1.59**
Methylene Chloride	**1.81**
N-Hexane	**1.33**
Tetrachloroethylene (PCE)	**1.53**
Toluene	**2.28**
Trichloroethylene (TCE)	**1.08**
Trichlorofluoromethane	**1.14**

SSMP-2/SSMP-2_IA	05/03/2023	05/03/2023
VOCs	SSMP-2	SSMP-2_IA
1,2,4-Trimethylbenzene	ND	**1.95**
Acetone	**41.8**	**58.7**
Benzene	**0.722**	ND
Carbon Disulfide	**0.722**	ND
Carbon Tetrachloride	ND	**0.465**
Chloromethane	**1.05**	**1.16**
Dichlorodifluoromethane	**2.33**	**2.39**
Ethanol	**39.8**	**15.8**
Isopropanol	**2.7**	**2.19**
m,p-Xylene	**2.24**	**1.75**
Methyl Ethyl Ketone (2-Butanone)	**2.17**	ND
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**2.41**	ND
N-Hexane	**0.733**	**0.899**
O-Xylene (1,2-Dimethylbenzene)	**0.921**	ND
Tert-Butyl Alcohol	**1.93**	ND
Tetrachloroethylene (PCE)	ND	**0.197**
Toluene	**2.86**	**2.11**
Trichlorofluoromethane	**1.21**	**1.23**



SSMP-4/SSMP-4_IA	05/03/2023	05/03/2023
	SSMP-4	SSMP-4_IA
VOCs		
1,2,4-Trimethylbenzene	ND	**1.96**
1,3-Dichlorobenzene	**1.51**	ND
Acetone	**41.8**	**56.1**
Benzene	ND	**0.716**
Carbon Tetrachloride	ND	**0.465**
Chloromethane	**1.06**	**1.15**
Dichlorodifluoromethane	**2.31**	**2.31**
Ethanol	**44.1**	**54.3**
Isopropanol	**3.91**	**4.84**
m,p-Xylene	**2.51**	**2.15**
Methyl Ethyl Ketone (2-Butanone)	**1.49**	ND
N-Hexane	**0.708**	**1.74**
O-Xylene (1,2-Dimethylbenzene)	**1.16**	ND
Tetrachloroethylene (PCE)	ND	**0.373**
Toluene	**2.69**	**2.95**
Trichlorofluoromethane	**1.14**	**1.16**

SSMP-7/SSMP-7_IA	05/03/2023	05/03/2023
	SSMP-7	SSMP-7_IA
VOCs		
1,1,1-Trichloroethane (TCA)	**4.3**	ND
1,2,4-Trimethylbenzene	ND	**2.12**
1,3-Dichlorobenzene	**2.45**	ND
1,3,5-Trimethylbenzene (Mesitylene)	ND	**0.605**
2-Hexanone	**0.861**	ND
4-Ethyltoluene	ND	**0.551**
Acetone	**12.9**	**45.8**
Benzene	ND	**0.738**
Carbon Tetrachloride	ND	**0.54**
Chloromethane	ND	**1.1**
Dichlorodifluoromethane	**1.91**	**2.33**
Ethanol	**98.9**	**31.8**
Ethylbenzene	**1.02**	**0.556**
Isopropanol	**10.3**	**2.8**
m,p-Xylene	**3.4**	**1.82**
Methyl Ethyl Ketone (2-Butanone)	**2.34**	ND
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**2.08**	ND
O-Xylene (1,2-Dimethylbenzene)	**1.58**	**0.747**
Tert-Butyl Alcohol	**2.51**	ND
Tetrachloroethylene (PCE)	**1.57**	ND
Toluene	**3.06**	**2.25**
Trichloroethylene (TCE)	**17**	ND
Trichlorofluoromethane	**1.21**	**1.17**

SSMP-8/SSMP-8_IA	05/03/2023	05/03/2023
	SSMP-8	SSMP-8_IA
VOCs		
1,1,1-Trichloroethane (TCA)	**3.4**	ND
1,2,4-Trimethylbenzene	**3.97**	**2.32**
1,3,5-Trimethylbenzene (Mesitylene)	**1.05**	ND
Acetone	**7.79**	**54.2**
Benzene	ND	**0.693**
Carbon Tetrachloride	ND	**0.453**
Chloroform	**1.62**	ND
Chloromethane	ND	**1.12**
Dichlorodifluoromethane	ND	**2.35**
Ethanol	**43.3**	**28.6**
Ethylbenzene	**1.52**	ND
Isopropanol	**3.12**	**2.85**
m,p-Xylene	**5.43**	ND
N-Heptane	**0.869**	ND
N-Hexane	**1.07**	**1**
O-Xylene (1,2-Dimethylbenzene)	**2.54**	ND
Tetrachloroethylene (PCE)	**18.6**	**0.244**
Toluene	**6.82**	**2.26**
Trichlorofluoromethane	**1.84**	**1.17**

NOTES

1. Visible expansion joints and slab cracks or openings greater than 1/16" throughout the area to be depressurized were properly sealed with Sikasil®-728 NS sealant.
2. Sump pumps and utility enclosures throughout the area to be depressurized were evaluated by a qualified environmental consultant and the SSDS installer to determine proper sealing method.
3. Six (6) suction points (SPs, 3" Ø x 12", SP-01 to SP-06) were constructed at the indicated locations, following suction pit detail.
4. Piping materials above and below ground comply with materials specified in NYC DOB Mechanical Code, Section 512, latest edition. All exterior pipes are Schedule 40 PVC and all interior pipes are cast iron, unless otherwise noted.
5. All PVC joints were sealed with plumber's cement (or similar product) applied according to the manufacturer's specifications. Cast iron no-hub couplers at all cast iron pipe unions.
6. Horizontal piping is pitched down from the riser pipe towards suction points at 1/8" per foot (1% slope) to facilitate condensation drainage.
7. Appropriate fire stop details were installed at any location in which piping penetrates a fire rated wall.
8. Piping inside and outside the building is mounted to the nearest building column, beam or supporting structure with hangers, clamps, or brackets in accordance with all applicable code and/or manufacturer's recommendations.
9. All overhead piping maintains a minimum distance of 6'-8" to floor.
10. Discharge point (DP) extends a minimum of 20" above the roof. DPs are at least 10' from other buildings, HVAC intakes, windows or doors.
11. A powered fan has been installed at each riser pipe, following construction details, by a licensed electrical contractor in accordance with NYC DOB construction code and any other applicable code and regulations utilizing a hard-wired electrical connection with a dedicated power switch and breaker.
12. Sub-slab monitoring points (SSMPs) were installed for field testing and monitoring purposes in accordance with design document specification. Penetrations through vapor barrier and slab were sealed in accordance with manufacturer specifications. Adequate negative pressure at the SSMPs are defined as equal to or less than -0.004 in. w.c.
13. U-manometers or equivalent pressure gauges were installed at each vertical pipe connected to a SP at visible locations as indicators of negative pressure.
14. A warning alarm (voice dialer system, flashing light indicator, or approved equal) was installed by a licensed electrical contractor to indicate fan failure.
15. A 4" butterfly valve (or approved equal, one per SP) was installed for system balancing purposes. Butterfly valve was installed at an accessible location along the pipe connecting the SP to the main overhead piping connecting multiple SPs.
16. All U-manometers, visible SSDS piping in the exterior and interior portions of the building, and powered fans are clearly labeled as "Sub-Slab Venting System" by means of stickers, stencil or other approved marking directly on each item.

LEGEND

- OUTDOOR AMBIENT AIR SAMPLE
- SUB-SLAB MONITORING POINT, SOIL VAPOR, AND INDOOR AIR SAMPLING LOCATION
- SUB-SLAB MONITORING POINT

GROUND FLOOR

- 3-INCH CAST IRON VERTICAL RISER
- ACCESS PANEL TO BE PROVIDED FOR MONITORING PURPOSES
- 3-INCH SCHEDULE 40 PERFORATED PVC PIPING
- 4-INCH SCHEDULE 40 NON-PERFORATED PVC PIPING
- SUCTION POINT
- EXTENT OF 6-INCH CONTINUOUS GRAVEL BELOW SLAB
- UNDERLYING BASEMENT AREA

BASEMENT

- 3-INCH CAST IRON CEILING PIPE
- SUCTION POINT

TYPICAL DATA BOX INFORMATION

SAMPLE ID# →	SSMP-8_IA	05/03/2023 ← SAMPLE DATE
	VOCs	
ANALYTES →	1,2,4-Trimethylbenzene	**2.32**
	Acetone	**54.2**
	Benzene	**0.693**
	Carbon Tetrachloride	**0.453**
	Chloromethane	**1.12**
	Dichlorodifluoromethane	**2.35**

→ CONCENTRATIONS (µg/m³)

µg/m³ – MICROGRAMS PER CUBIC METER
VOCs – VOLATILE ORGANIC COMPOUNDS

15' 0 15'

Base map provided by Cody & Wyckoff - Basement Level - Existing Floor Plan dated 6/17/20.
All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

V:\CAD\PROJECTS\4167Y\0001Y\103\4167.0001Y103.02.DWG B\CIO

Title:

SUB-SLAB DEPRESSURIZTION SYSTEM LAYOUT AND DETECTIONS IN SOIL VAPOR AND INDOOR AIR

11-24 WYCKOFF AVENUE
QUEENS, NEW YORK

Prepared for:

TELFAR HOLDING INC.

ROUX

Compiled by: J.R.	Date: 5/26/2023	PLATE
Prepared by: B.H.C.	Scale: APPROXIMATE	2
Project Mgr: S.S.	Project: 4167.0001Y002	
File: 4167.0001Y103.02.DWG		

ATTACHMENTS

1. Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2324384
Client:	Roux Env. Eng. & Geology, DPC 209 Shafter St Islandia, NY 11749
ATTN:	Sarah Stern
Phone:	(631) 630-2428
Project Name:	11-24 WYCKOFF
Project Number:	4167.0001Y002
Report Date:	05/11/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2324384-01	SSMP-1	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 17:23	05/04/23
L2324384-02	SSMP-1_IA	AIR	11-24 WYCKOFF AVE	05/03/23 16:33	05/04/23
L2324384-03	SSMP-2	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 17:28	05/04/23
L2324384-04	SSMP-2_IA	AIR	11-24 WYCKOFF AVE	05/03/23 17:27	05/04/23
L2324384-05	SSMP-3	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 13:23	05/04/23
L2324384-06	SSMP-3_IA	AIR	11-24 WYCKOFF AVE	05/03/23 17:32	05/04/23
L2324384-07	SSMP-4	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 17:40	05/04/23
L2324384-08	SSMP-4_IA	AIR	11-24 WYCKOFF AVE	05/03/23 17:39	05/04/23
L2324384-09	SSMP-7	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 17:47	05/04/23
L2324384-10	SSMP-7_IA	AIR	11-24 WYCKOFF AVE	05/03/23 17:44	05/04/23
L2324384-11	SSMP-8	SOIL_VAPOR	11-24 WYCKOFF AVE	05/03/23 17:50	05/04/23
L2324384-12	SSMP-8_IA	AIR	11-24 WYCKOFF AVE	05/03/23 17:52	05/04/23
L2324384-13	OA-1	AIR	11-24 WYCKOFF AVE	05/03/23 17:17	05/04/23

Project Name:	11-24 WYCKOFF	**Lab Number:**	L2324384
Project Number:	4167.0001Y002	**Report Date:**	05/11/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 4, 2023. The canister certification results are provided as an addendum.

L2324384-10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L2324384-10D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Sample Receipt

L2324384-09: The canister ID number for the sample is listed on the CoC as 2370 but should be 3616.

L2324384-10: The canister ID number for the sample is listed on the CoC as 638 but should be 3639.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/11/23

AIR

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-01
Client ID: SSMP-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 03:29
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.476	0.200	--	2.35	0.989	--		1
Chloromethane	0.612	0.200	--	1.26	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.19	1.00	--	12.3	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	0.765	0.500	--	1.88	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.19	0.500	--	3.51	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-01
Client ID: SSMP-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.238	0.200	--	0.839	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.210	0.200	--	0.671	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.202	0.200	--	0.943	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.740	0.200	--	2.79	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.580	0.400	--	2.52	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-01
Client ID: SSMP-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.269	0.200	--	1.17	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.284	0.200	--	1.40	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-01
Client ID: SSMP-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 02:36
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	13.7	5.00	--	25.8	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-02
Client ID: SSMP-1_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 16:33
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/08/23 22:56
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.479	0.200	--	2.37	0.989	--		1
Chloromethane	0.534	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.6	1.00	--	41.8	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	0.698	0.500	--	1.72	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-02
Client ID: SSMP-1_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 16:33
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.229	0.200	--	0.807	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.505	0.200	--	1.90	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.267	0.200	--	1.31	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-02
Client ID: SSMP-1_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 16:33
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-02
Client ID: SSMP-1_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 16:33
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/10/23 22:33
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	7.23	5.00	--	13.6	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-02
Client ID: SSMP-1_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 16:33
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 22:56
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.031	0.020	--	0.210	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-03
Client ID: SSMP-2
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:28
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 04:08
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	0.507	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.6	1.00	--	41.8	2.38	--		1
Trichlorofluoromethane	0.215	0.200	--	1.21	1.12	--		1
Isopropanol	1.10	0.500	--	2.70	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.638	0.500	--	1.93	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.232	0.200	--	0.722	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.737	0.500	--	2.17	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-03
Client ID: SSMP-2
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:28
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.208	0.200	--	0.733	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.226	0.200	--	0.722	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.588	0.500	--	2.41	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.759	0.200	--	2.86	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.516	0.400	--	2.24	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-03
Client ID: SSMP-2
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:28
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.212	0.200	--	0.921	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-03
Client ID: SSMP-2
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:28
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 03:15
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	21.1	5.00	--	39.8	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-04
Client ID: SSMP-2_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:27
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/08/23 23:35
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.484	0.200	--	2.39	0.989	--		1
Chloromethane	0.561	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	24.7	1.00	--	58.7	2.38	--		1
Trichlorofluoromethane	0.218	0.200	--	1.23	1.12	--		1
Isopropanol	0.889	0.500	--	2.19	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-04
Client ID: SSMP-2_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:27
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.255	0.200	--	0.899	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.560	0.200	--	2.11	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.402	0.400	--	1.75	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.396	0.200	--	1.95	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-04
Client ID: SSMP-2_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:27
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-04
Client ID: SSMP-2_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:27
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/10/23 23:13
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	8.36	5.00	--	15.8	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-04
Client ID: SSMP-2_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:27
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 23:35
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-05
Client ID: SSMP-3
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 13:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 04:47
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.469	0.200	--	2.32	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.67	1.00	--	8.72	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	1.69	0.500	--	4.15	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.564	0.200	--	1.76	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.552	0.500	--	1.63	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-05
Client ID: SSMP-3
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 13:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.699	0.500	--	2.86	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.890	0.200	--	3.35	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.618	0.400	--	2.68	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-05
Client ID: SSMP-3
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 13:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.249	0.200	--	1.08	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	97		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-05
Client ID: SSMP-3
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 13:23
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 03:55
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	38.1	5.00	--	71.8	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-06
Client ID: SSMP-3_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:32
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 00:14
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.462	0.200	--	2.28	0.989	--		1
Chloromethane	0.521	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.6	1.00	--	53.7	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	1.27	0.500	--	3.12	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-06
Client ID: SSMP-3_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:32
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.320	0.200	--	1.13	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.656	0.200	--	2.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.353	0.200	--	1.74	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-06
Client ID: SSMP-3_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:32
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-06
Client ID: SSMP-3_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:32
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/10/23 23:55
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	16.5	5.00	--	31.1	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-06
Client ID: SSMP-3_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:32
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/09/23 00:14
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.037	0.020	--	0.251	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-07
Client ID: SSMP-4
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:40
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 05:25
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--		1
Chloromethane	0.515	0.200	--	1.06	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.6	1.00	--	41.8	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	1.59	0.500	--	3.91	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.506	0.500	--	1.49	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-07
Client ID: SSMP-4
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:40
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.201	0.200	--	0.708	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.715	0.200	--	2.69	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.578	0.400	--	2.51	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-07
Client ID: SSMP-4
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:40
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.268	0.200	--	1.16	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.251	0.200	--	1.51	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-07
Client ID: SSMP-4
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:40
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 05:15
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	23.4	5.00	--	44.1	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-08
Client ID: SSMP-4_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:39
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 00:53
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.467	0.200	--	2.31	0.989	--		1
Chloromethane	0.558	0.200	--	1.15	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	23.6	1.00	--	56.1	2.38	--		1
Trichlorofluoromethane	0.207	0.200	--	1.16	1.12	--		1
Isopropanol	1.97	0.500	--	4.84	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-08
Client ID: SSMP-4_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:39
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.494	0.200	--	1.74	0.705	--		1
Benzene	0.224	0.200	--	0.716	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.783	0.200	--	2.95	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.496	0.400	--	2.15	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.398	0.200	--	1.96	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-08
Client ID: SSMP-4_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:39
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-08
Client ID: SSMP-4_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:39
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 00:37
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	28.8	5.00	--	54.3	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-08
Client ID: SSMP-4_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:39
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/09/23 00:53
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.055	0.020	--	0.373	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-09
Client ID: SSMP-7
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:47
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 06:04
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.387	0.200	--	1.91	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.45	1.00	--	12.9	2.38	--		1
Trichlorofluoromethane	0.216	0.200	--	1.21	1.12	--		1
Isopropanol	4.17	0.500	--	10.3	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.828	0.500	--	2.51	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.794	0.500	--	2.34	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-09
Client ID: SSMP-7
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:47
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	0.789	0.200	--	4.30	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	3.17	0.200	--	17.0	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.507	0.500	--	2.08	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.813	0.200	--	3.06	0.754	--		1
2-Hexanone	0.210	0.200	--	0.861	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.231	0.200	--	1.57	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.235	0.200	--	1.02	0.869	--		1
p/m-Xylene	0.783	0.400	--	3.40	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-09
Client ID: SSMP-7
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:47
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.363	0.200	--	1.58	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.408	0.200	--	2.45	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-09
Client ID: SSMP-7
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:47
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 05:54
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	52.5	5.00	--	98.9	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-10 D
Client ID: SSMP-7_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:44
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/09/23 02:11
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.471	0.440	--	2.33	2.18	--		2.2
Chloromethane	0.535	0.440	--	1.10	0.909	--		2.2
Freon-114	ND	0.110	--	ND	0.769	--		2.2
Vinyl chloride	ND	0.044	--	ND	0.112	--		2.2
1,3-Butadiene	ND	0.044	--	ND	0.097	--		2.2
Bromomethane	ND	0.044	--	ND	0.171	--		2.2
Chloroethane	ND	0.220	--	ND	0.581	--		2.2
Vinyl bromide	ND	0.440	--	ND	1.92	--		2.2
Acetone	19.3	2.20	--	45.8	5.23	--		2.2
Trichlorofluoromethane	0.209	0.110	--	1.17	0.618	--		2.2
Isopropanol	1.14	1.10	--	2.80	2.70	--		2.2
1,1-Dichloroethene	ND	0.044	--	ND	0.174	--		2.2
Tertiary butyl Alcohol	ND	1.10	--	ND	3.33	--		2.2
Methylene chloride	ND	1.10	--	ND	3.82	--		2.2
3-Chloropropene	ND	0.440	--	ND	1.38	--		2.2
Carbon disulfide	ND	0.440	--	ND	1.37	--		2.2
Freon-113	ND	0.110	--	ND	0.843	--		2.2
trans-1,2-Dichloroethene	ND	0.044	--	ND	0.174	--		2.2
1,1-Dichloroethane	ND	0.044	--	ND	0.178	--		2.2
Methyl tert butyl ether	ND	0.440	--	ND	1.59	--		2.2
2-Butanone	ND	1.10	--	ND	3.24	--		2.2
cis-1,2-Dichloroethene	ND	0.044	--	ND	0.174	--		2.2
Ethyl Acetate	ND	1.10	--	ND	3.96	--		2.2

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-10 D
Client ID: SSMP-7_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:44
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Chloroform	ND	0.044	--	ND	0.215	--		2.2
Tetrahydrofuran	ND	1.10	--	ND	3.24	--		2.2
1,2-Dichloroethane	ND	0.044	--	ND	0.178	--		2.2
n-Hexane	ND	0.440	--	ND	1.55	--		2.2
1,1,1-Trichloroethane	ND	0.044	--	ND	0.240	--		2.2
Benzene	0.231	0.220	--	0.738	0.703	--		2.2
Carbon tetrachloride	0.086	0.044	--	0.540	0.277	--		2.2
Cyclohexane	ND	0.440	--	ND	1.51	--		2.2
1,2-Dichloropropane	ND	0.044	--	ND	0.203	--		2.2
Bromodichloromethane	ND	0.044	--	ND	0.295	--		2.2
1,4-Dioxane	ND	0.220	--	ND	0.793	--		2.2
Trichloroethene	ND	0.044	--	ND	0.236	--		2.2
2,2,4-Trimethylpentane	ND	0.440	--	ND	2.06	--		2.2
Heptane	ND	0.440	--	ND	1.80	--		2.2
cis-1,3-Dichloropropene	ND	0.044	--	ND	0.200	--		2.2
4-Methyl-2-pentanone	ND	1.10	--	ND	4.51	--		2.2
trans-1,3-Dichloropropene	ND	0.044	--	ND	0.200	--		2.2
1,1,2-Trichloroethane	ND	0.044	--	ND	0.240	--		2.2
Toluene	0.596	0.220	--	2.25	0.829	--		2.2
2-Hexanone	ND	0.440	--	ND	1.80	--		2.2
Dibromochloromethane	ND	0.044	--	ND	0.375	--		2.2
1,2-Dibromoethane	ND	0.044	--	ND	0.338	--		2.2
Tetrachloroethene	ND	0.044	--	ND	0.298	--		2.2
Chlorobenzene	ND	0.220	--	ND	1.01	--		2.2
Ethylbenzene	0.128	0.044	--	0.556	0.191	--		2.2
p/m-Xylene	0.420	0.088	--	1.82	0.382	--		2.2

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-10 D
Client ID: SSMP-7_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:44
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromoform	ND	0.044	--	ND	0.455	--		2.2
Styrene	ND	0.044	--	ND	0.187	--		2.2
1,1,2,2-Tetrachloroethane	ND	0.044	--	ND	0.302	--		2.2
o-Xylene	0.172	0.044	--	0.747	0.191	--		2.2
4-Ethyltoluene	0.112	0.044	--	0.551	0.216	--		2.2
1,3,5-Trimethybenzene	0.123	0.044	--	0.605	0.216	--		2.2
1,2,4-Trimethylbenzene	0.431	0.044	--	2.12	0.216	--		2.2
Benzyl chloride	ND	0.220	--	ND	1.14	--		2.2
1,3-Dichlorobenzene	ND	0.044	--	ND	0.265	--		2.2
1,4-Dichlorobenzene	ND	0.044	--	ND	0.265	--		2.2
1,2-Dichlorobenzene	ND	0.044	--	ND	0.265	--		2.2
1,2,4-Trichlorobenzene	ND	0.110	--	ND	0.817	--		2.2
Hexachlorobutadiene	ND	0.110	--	ND	1.17	--		2.2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-10 D
Client ID: SSMP-7_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:44
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/10/23 23:11
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Ethanol	16.9	11.0	--	31.8	20.7	--		2.2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-11
Client ID: SSMP-8
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:50
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 06:43
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.28	1.00	--	7.79	2.38	--		1
Trichlorofluoromethane	0.327	0.200	--	1.84	1.12	--		1
Isopropanol	1.27	0.500	--	3.12	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-11
Client ID: SSMP-8
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:50
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.332	0.200	--	1.62	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.304	0.200	--	1.07	0.705	--		1
1,1,1-Trichloroethane	0.624	0.200	--	3.40	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.212	0.200	--	0.869	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.81	0.200	--	6.82	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.74	0.200	--	18.6	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.350	0.200	--	1.52	0.869	--		1
p/m-Xylene	1.25	0.400	--	5.43	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-11
Client ID: SSMP-8
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:50
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.585	0.200	--	2.54	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.213	0.200	--	1.05	0.983	--		1
1,2,4-Trimethylbenzene	0.808	0.200	--	3.97	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-11
Client ID: SSMP-8
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:50
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 06:34
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	23.0	5.00	--	43.3	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	105		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-12
Client ID: SSMP-8_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:52
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/09/23 02:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.476	0.200	--	2.35	0.989	--		1
Chloromethane	0.542	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.8	1.00	--	54.2	2.38	--		1
Trichlorofluoromethane	0.208	0.200	--	1.17	1.12	--		1
Isopropanol	1.16	0.500	--	2.85	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-12
Client ID: SSMP-8_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:52
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.284	0.200	--	1.00	0.705	--		1
Benzene	0.217	0.200	--	0.693	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.599	0.200	--	2.26	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.471	0.200	--	2.32	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-12
Client ID: SSMP-8_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:52
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-12
Client ID: SSMP-8_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:52
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 01:17
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	15.2	5.00	--	28.6	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-12
Client ID: SSMP-8_IA
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:52
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/09/23 02:50
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.072	0.020	--	0.453	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-13
Client ID: OA-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:17
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/08/23 22:18
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.472	0.200	--	2.33	0.989	--		1
Chloromethane	0.521	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.27	1.00	--	10.1	2.38	--		1
Trichlorofluoromethane	0.202	0.200	--	1.14	1.12	--		1
Isopropanol	0.646	0.500	--	1.59	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.521	0.500	--	1.81	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-13
Client ID: OA-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:17
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.378	0.200	--	1.33	0.705	--		1
Benzene	0.243	0.200	--	0.776	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.604	0.200	--	2.28	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-13
Client ID: OA-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:17
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-13
Client ID: OA-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:17
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 01:56
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Ethanol	7.93	5.00	--	14.9	9.42	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

SAMPLE RESULTS

Lab ID: L2324384-13
Client ID: OA-1
Sample Location: 11-24 WYCKOFF AVE

Date Collected: 05/03/23 17:17
Date Received: 05/04/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 22:18
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	0.201	0.020	--	1.08	0.107	--		1
Tetrachloroethene	0.225	0.020	--	1.53	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 16:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 16:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/23 16:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/23 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1776379-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/23 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1776379-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/08/23 16:13

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1776379-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/10/23 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10 Batch: WG1777389-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/10/23 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10 Batch: WG1777389-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/10/23 18:01

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 10 Batch: WG1777389-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/10/23 21:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1777394-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/10/23 21:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1777394-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002
Lab Number: L2324384
Report Date: 05/11/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/10/23 21:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-09,11-13 Batch: WG1777394-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-3								
Dichlorodifluoromethane	93		-		70-130	-		25
Chloromethane	93		-		70-130	-		25
Freon-114	95		-		70-130	-		25
Vinyl chloride	92		-		70-130	-		25
1,3-Butadiene	95		-		70-130	-		25
Bromomethane	94		-		70-130	-		25
Chloroethane	93		-		70-130	-		25
Ethanol	64		-		40-160	-		25
Vinyl bromide	89		-		70-130	-		25
Acetone	89		-		40-160	-		25
Trichlorofluoromethane	93		-		70-130	-		25
Isopropanol	90		-		40-160	-		25
1,1-Dichloroethene	92		-		70-130	-		25
Tertiary butyl Alcohol[1]	92		-		70-130	-		25
Methylene chloride	94		-		70-130	-		25
3-Chloropropene	92		-		70-130	-		25
Carbon disulfide	89		-		70-130	-		25
Freon-113	94		-		70-130	-		25
trans-1,2-Dichloroethene	89		-		70-130	-		25
1,1-Dichloroethane	92		-		70-130	-		25
Methyl tert butyl ether	96		-		70-130	-		25
2-Butanone	98		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-3								
Ethyl Acetate	102		-		70-130	-		25
Chloroform	95		-		70-130	-		25
Tetrahydrofuran	90		-		70-130	-		25
1,2-Dichloroethane	91		-		70-130	-		25
n-Hexane	92		-		70-130	-		25
1,1,1-Trichloroethane	92		-		70-130	-		25
Benzene	90		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25
Cyclohexane	91		-		70-130	-		25
1,2-Dichloropropane	89		-		70-130	-		25
Bromodichloromethane	93		-		70-130	-		25
1,4-Dioxane	96		-		70-130	-		25
Trichloroethene	93		-		70-130	-		25
2,2,4-Trimethylpentane	93		-		70-130	-		25
cis-1,3-Dichloropropene	100		-		70-130	-		25
4-Methyl-2-pentanone	106		-		70-130	-		25
trans-1,3-Dichloropropene	90		-		70-130	-		25
1,1,2-Trichloroethane	95		-		70-130	-		25
Toluene	93		-		70-130	-		25
2-Hexanone	78		-		70-130	-		25
Dibromochloromethane	102		-		70-130	-		25
1,2-Dibromoethane	99		-		70-130	-		25
Tetrachloroethene	94		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 Batch: WG1776378-3								
Chlorobenzene	97		-		70-130	-		25
Ethylbenzene	99		-		70-130	-		25
p/m-Xylene	100		-		70-130	-		25
Bromoform	103		-		70-130	-		25
Styrene	102		-		70-130	-		25
1,1,2,2-Tetrachloroethane	101		-		70-130	-		25
o-Xylene	101		-		70-130	-		25
4-Ethyltoluene	100		-		70-130	-		25
1,3,5-Trimethybenzene	94		-		70-130	-		25
1,2,4-Trimethylbenzene	103		-		70-130	-		25
Benzyl chloride	101		-		70-130	-		25
1,3-Dichlorobenzene	104		-		70-130	-		25
1,4-Dichlorobenzene	106		-		70-130	-		25
1,2-Dichlorobenzene	106		-		70-130	-		25
1,2,4-Trichlorobenzene	122		-		70-130	-		25
Hexachlorobutadiene	107		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1776379-3								
Dichlorodifluoromethane	94		-		70-130	-		
Chloromethane	92		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethanol	61		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	90		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	90		-		40-160	-		
1,1-Dichloroethene	95		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
Freon-113	97		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	94		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1776379-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	93		-		70-130	-		
1,2-Dichloroethane	91		-		70-130	-		
n-Hexane	92		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	94		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	94		-		70-130	-		
Heptane	94		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	107		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	95		-		70-130	-		
2-Hexanone	91		-		70-130	-		
Dibromochloromethane	103		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1776379-3								
Tetrachloroethene	99		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	104		-		70-130	-		
Styrene	98		-		70-130	-		
1,1,2,2-Tetrachloroethane	101		-		70-130	-		
o-Xylene	100		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Benzyl chloride	107		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	102		-		70-130	-		
1,2,4-Trichlorobenzene	116		-		70-130	-		
Hexachlorobutadiene	107		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10 Batch: WG1777389-3								
Dichlorodifluoromethane	98		-		70-130	-		25
Chloromethane	117		-		70-130	-		25
Freon-114	103		-		70-130	-		25
Vinyl chloride	103		-		70-130	-		25
1,3-Butadiene	103		-		70-130	-		25
Bromomethane	96		-		70-130	-		25
Chloroethane	98		-		70-130	-		25
Ethanol	96		-		40-160	-		25
Vinyl bromide	100		-		70-130	-		25
Acetone	104		-		40-160	-		25
Trichlorofluoromethane	123		-		70-130	-		25
Isopropanol	101		-		40-160	-		25
1,1-Dichloroethene	82		-		70-130	-		25
Tertiary butyl Alcohol[1]	81		-		70-130	-		25
Methylene chloride	93		-		70-130	-		25
3-Chloropropene	94		-		70-130	-		25
Carbon disulfide	82		-		70-130	-		25
Freon-113	98		-		70-130	-		25
trans-1,2-Dichloroethene	83		-		70-130	-		25
1,1-Dichloroethane	91		-		70-130	-		25
Methyl tert butyl ether	87		-		70-130	-		25
2-Butanone	91		-		70-130	-		25
cis-1,2-Dichloroethene	89		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10 Batch: WG1777389-3								
Ethyl Acetate	92		-		70-130	-		25
Chloroform	90		-		70-130	-		25
Tetrahydrofuran	87		-		70-130	-		25
1,2-Dichloroethane	94		-		70-130	-		25
n-Hexane	87		-		70-130	-		25
1,1,1-Trichloroethane	106		-		70-130	-		25
Benzene	87		-		70-130	-		25
Carbon tetrachloride	103		-		70-130	-		25
Cyclohexane	85		-		70-130	-		25
1,2-Dichloropropane	95		-		70-130	-		25
Bromodichloromethane	95		-		70-130	-		25
1,4-Dioxane	92		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
2,2,4-Trimethylpentane	88		-		70-130	-		25
cis-1,3-Dichloropropene	99		-		70-130	-		25
4-Methyl-2-pentanone	107		-		70-130	-		25
trans-1,3-Dichloropropene	87		-		70-130	-		25
1,1,2-Trichloroethane	103		-		70-130	-		25
Toluene	89		-		70-130	-		25
2-Hexanone	94		-		70-130	-		25
Dibromochloromethane	107		-		70-130	-		25
1,2-Dibromoethane	90		-		70-130	-		25
Tetrachloroethene	100		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 10 Batch: WG1777389-3								
Chlorobenzene	84		-		70-130	-		25
Ethylbenzene	90		-		70-130	-		25
p/m-Xylene	93		-		70-130	-		25
Bromoform	123		-		70-130	-		25
Styrene	87		-		70-130	-		25
1,1,2,2-Tetrachloroethane	93		-		70-130	-		25
o-Xylene	94		-		70-130	-		25
4-Ethyltoluene	90		-		70-130	-		25
1,3,5-Trimethybenzene	92		-		70-130	-		25
1,2,4-Trimethylbenzene	94		-		70-130	-		25
Benzyl chloride	95		-		70-130	-		25
1,3-Dichlorobenzene	102		-		70-130	-		25
1,4-Dichlorobenzene	104		-		70-130	-		25
1,2-Dichlorobenzene	98		-		70-130	-		25
1,2,4-Trichlorobenzene	112		-		70-130	-		25
Hexachlorobutadiene	108		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1777394-3								
Dichlorodifluoromethane	116		-		70-130	-		
Chloromethane	82		-		70-130	-		
Freon-114	106		-		70-130	-		
Vinyl chloride	87		-		70-130	-		
1,3-Butadiene	94		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	80		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	58		-		40-160	-		
Trichlorofluoromethane	105		-		70-130	-		
Isopropanol	55		-		40-160	-		
1,1-Dichloroethene	90		-		70-130	-		
Tertiary butyl Alcohol	90		-		70-130	-		
Methylene chloride	79		-		70-130	-		
3-Chloropropene	**57**	Q	-		70-130	-		
Carbon disulfide	82		-		70-130	-		
Freon-113	95		-		70-130	-		
trans-1,2-Dichloroethene	79		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	73		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1777394-3								
Ethyl Acetate	82		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	**68**	Q	-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
n-Hexane	80		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	113		-		70-130	-		
Cyclohexane	82		-		70-130	-		
1,2-Dichloropropane	76		-		70-130	-		
Bromodichloromethane	101		-		70-130	-		
1,4-Dioxane	86		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	82		-		70-130	-		
Heptane	71		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	70		-		70-130	-		
trans-1,3-Dichloropropene	88		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	73		-		70-130	-		
Dibromochloromethane	115		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 Batch: WG1777394-3								
Tetrachloroethene	109		-		70-130	-		
Chlorobenzene	104		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	97		-		70-130	-		
Bromoform	117		-		70-130	-		
Styrene	102		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	99		-		70-130	-		
4-Ethyltoluene	96		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	82		-		70-130	-		
1,3-Dichlorobenzene	104		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2,4-Trichlorobenzene	117		-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,04,06,08,10,12-13 QC Batch ID: WG1776378-5 QC Sample: L2324384-08 Client ID: SSMP-4_IA						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.074	0.072	ppbV	3		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.055	0.054	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG1776379-5 QC Sample: L2324384-08 Client ID: SSMP-4_IA						
Dichlorodifluoromethane	0.467	0.461	ppbV	1		25
Chloromethane	0.558	0.548	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	23.6	23.6	ppbV	0		25
Trichlorofluoromethane	0.207	0.213	ppbV	3		25
Isopropanol	1.97	1.96	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG1776379-5 QC Sample: L2324384-08 Client ID: SSMP-4_IA						
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.494	0.507	ppbV	3		25
Benzene	0.224	0.225	ppbV	0		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.783	0.781	ppbV	0		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	0.496	0.489	ppbV	1		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG1776379-5 QC Sample: L2324384-08 Client ID: SSMP-4_IA						
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.398	0.396	ppbV	1		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-09,11-13 QC Batch ID: WG1777394-5 QC Sample: L2324384-05 Client ID: SSMP-3						
Ethanol	38.1	39.0	ppbV	2		25

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2324384-01	SSMP-1	02250	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	10.5	5
L2324384-01	SSMP-1	694	6.0L Can	04/04/23	418803	L2316550-08	Pass	-30.2	-6.2	-	-	-	-
L2324384-02	SSMP-1_IA	01929	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	12.1	19
L2324384-02	SSMP-1_IA	3957	6.0L Can	04/04/23	418803	L2316550-08	Pass	-30.2	-5.2	-	-	-	-
L2324384-03	SSMP-2	02261	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	9.3	7
L2324384-03	SSMP-2	3657	6.0L Can	04/04/23	418803	L2316550-08	Pass	-30.2	-7.6	-	-	-	-
L2324384-04	SSMP-2_IA	0729	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	9.8	2
L2324384-04	SSMP-2_IA	748	6.0L Can	04/04/23	418803	L2316550-08	Pass	-30.2	-7.5	-	-	-	-
L2324384-05	SSMP-3	01585	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	10.7	7
L2324384-05	SSMP-3	402	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.1	-4.6	-	-	-	-
L2324384-06	SSMP-3_IA	0824	Flow 4	04/04/23	418803		-	-	-	Pass	4.5	4.1	9
L2324384-06	SSMP-3_IA	3167	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.2	-10.6	-	-	-	-
L2324384-07	SSMP-4	0913	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	10.3	3
L2324384-07	SSMP-4	3589	6.0L Can	04/04/23	418803	L2316550-08	Pass	-30.2	-5.9	-	-	-	-
L2324384-08	SSMP-4_IA	0085	Flow 4	04/04/23	418803		-	-	-	Pass	4.5	4.2	7

Project Name: 11-24 WYCKOFF

Project Number: 4167.0001Y002

Lab Number: L2324384

Report Date: 05/11/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2324384-08	SSMP-4_IA	416	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.1	-6.8	-	-	-	-
L2324384-09	SSMP-7	0724	Flow 4	04/04/23	418803		-	-	-	Pass	10.0	9.9	1
L2324384-09	SSMP-7	3616	6.0L Can	04/04/23	418803	L2315828-06	Pass	-29.8	-6.8	-	-	-	-
L2324384-10	SSMP-7_IA	01576	Flow 4	04/04/23	418803		-	-	-	Pass	4.5	4.2	7
L2324384-10	SSMP-7_IA	3639	6.0L Can	04/04/23	418803	L2315828-07	Pass	-29.7	-20.8	-	-	-	-
L2324384-11	SSMP-8	0792	Flow 4	04/04/23	418803		-	-	-	Pass	4.5	4.4	2
L2324384-11	SSMP-8	200	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.1	-7.1	-	-	-	-
L2324384-12	SSMP-8_IA	0541	Flow 5	04/04/23	418803		-	-	-	Pass	4.5	4.7	4
L2324384-12	SSMP-8_IA	2993	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.1	-7.1	-	-	-	-
L2324384-13	OA-1	01540	Flow 4	04/04/23	418803		-	-	-	Pass	4.5	6.2	32
L2324384-13	OA-1	333	2.7L Can	04/04/23	418803	L2315985-07	Pass	-30.2	-4.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/27/23 21:24
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2315828

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/27/23 21:24
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2315828

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2315828-06
Client ID: CAN 932 SHELF 30
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/27/23 22:04
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2315828

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/27/23 22:04
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315828
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315828-07
Client ID: CAN 2326 SHELF 34
Sample Location:

Date Collected: 03/27/23 09:00
Date Received: 03/27/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/28/23 23:11
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/28/23 23:11
Analyst: TJS

	ppbV			ug/m3				Dilution
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2315985
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2315985

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2315985-07
Client ID: CAN 425 SHELF 21
Sample Location:

Date Collected: 03/28/23 09:00
Date Received: 03/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/30/23 23:51
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2316550
Report Date: 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/30/23 23:51
Analyst: RAY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2316550

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2316550

Project Number: CANISTER QC BAT **Report Date:** 05/11/23

Air Canister Certification Results

Lab ID: L2316550-08
Client ID: CAN 3376 SHELF 49
Sample Location:

Date Collected: 03/30/23 10:00
Date Received: 03/30/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140

Project Name: 11-24 WYCKOFF
Project Number: 4167.0001Y002

Lab Number: L2324384
Report Date: 05/11/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2324384-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2324384-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2324384-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2324384-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2324384-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2324384-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2324384-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2324384-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	11-24 WYCKOFF	**Lab Number:**	L2324384
Project Number:	4167.0001Y002	**Report Date:**	05/11/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	11-24 WYCKOFF	**Lab Number:**	L2324384
Project Number:	4167.0001Y002	**Report Date:**	05/11/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	11-24 WYCKOFF	**Lab Number:**	L2324384
Project Number:	4167.0001Y002	**Report Date:**	05/11/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/5/23

ALPHA Job #: L2324384

Client Information

Client: Roux
Address: 209 Shafter St
Islandia, NY 11749
Phone: (631) 232-2600
Fax:
Email: sstern@rauinc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 11-24 Wyckoff
Project Location: 11-24 Wyckoff Ave
Project #: 4167.00014002
Project Manager: Sarah Stern
ALPHA Quote #: 21647

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 S/M	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
24384-01	SSMP-1	5/3/23	9:23	17:23	-29.58	-5.65	SV	MH	6L	694	02350	X					
-02	SSMP-1_IA		9:22	16:33	-29.51	-4.64	AA	MH	6L	3957	01929	X					
-03	SSMP-2		9:28	17:28	-29.68	-7.22	SV	MH	6L	3657	02261	X					
-04	SSMP-2_IA		9:27	17:27	-29.62	-7.17	AA	MH	6L	748	0729	X					
-05	SSMP-3		9:35	13:23	-29.77	-4.50	SV	MH	~~2.7L~~ 6L	402	01585	X					
-06	SSMP-3_IA		9:32	17:32	-29.53	-10.23	AA	MH	2.7L	3167	0824	X					
-07	SSMP-4		9:41	17:40	-29.55	-5.42	SV	MH	6L	3589	0913	X					
-08	SSMP-4_IA		9:39	17:39	-29.79	-6.46	AA	MH	2.7L	416	0085	X					
-09	SSMP-7		9:47	17:47	-29.82	-6.17	SV	MH	6L	2370	0724	X					
-10	SSMP-7_IA		9:43	17:44	-29.52	-20.40	AA	MH	6L	638	01576	X					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
M. Holio	5/4/23 [illegible]		5/4/23 8301
	5/4/23 [illegible]		5.4.23 2100
	5/5/23 0100		5.5.23 0106
	5/5/23 0445		5/5/23 04:45

AIR ANALYSIS

PAGE 2 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/5/23

ALPHA Job #: L2324384

Client Information

Client: Roux
Address: 209 Shafter St
Islandia NY 11749
Phone: (631) 232-2600
Fax:
Email: Sstern@roux inc. com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 11-24 Wyckoff
Project Location: 11-24 Wyckoff Ave
Project #: 4167.00014002
Project Manager: Sarah Stern
ALPHA Quote #: 21647

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables: _____
Report to: (if different than Project Manager) _____

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (subset Non-petroleum HCs ☐)	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
24384-11	SSMP-8	5/3/23	9:50	17:50	-29.41	-6.70	SV	MH	2.7L	200	0792	X					
-12	SSMP-8_IA	↓	9:52	17:52	-29.86	-6.48	AA	MH	2.7L	2493	0541	X					
-13	OA-1	↓	9:54	17:17	-29.30	-4.00	AA	MH	2.7L	333	01540	X					

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
M. Hollis	5/4/23 8:20		5/4/23 830PK
	5/4 1141A		5.4.23 2400
	5/5/23 0100		5.5.23 0100
	5/5/23 0445		5/5/23 04:45