



17 October 2025

TECHNICAL MEMORANDUM

TO: Michael Belveg, NYSDEC Project Manager

FROM: Emily Cummings, EA Project Manager

SUBJECT: Soil Vapor Intrusion Investigation Results – Final
Contract/Work Assignment No. D009806-32
Zip Zip Mini Market, Syracuse, New York
Site No. B00075

1. INTRODUCTION

EA Engineering and Geology, P.C. (EA) was tasked by the New York State Department of Environmental Conservation (NYSDEC), under Work Assignment Number (No.) D009806-32 to conduct a Pre-Design Investigation (PDI), Pilot Study, and Remedial Design at the Zip Zip Mini Market Site (No. B00075) (site) in the City of Syracuse, Onondaga County, New York (**Figure 1**). This technical memorandum provides details for soil vapor intrusion (SVI) field sampling activities conducted in December 2024 as part of a Supplemental PDI at the site.

The first phase of the PDI was conducted in Fall 2023. The results suggested that the volatile organic compounds (VOCs) groundwater plume was not fully delineated to the east and was in proximity to an occupied building, which represents a potential vapor intrusion risk. Therefore, supplemental investigative work was proposed as outlined in the PDI Letter Work Plan Addendum (EA 2024a). Evaluation of the indoor air of the adjacent building was performed on 12 December 2024, as part of this recent field effort and coincided with the heating season in compliance with New York State Department of Health (NYSDOH) Guidance for Evaluating SVI in the State of New York (NYSDOH 2006).

Field activities were completed in accordance with the PDI Letter Work Plan Addendum (EA 2024a), EA's Generic Field Activities Plan (EA 2023a), EA's Site-Specific Health and Safety Plan (EA 2023b), EA's Generic Health and Safety Plan (EA 2024b), and EA's Generic Quality Assurance Project Plan (EA 2020). These plans have been submitted to the Division of Environmental Remediation and are available upon request. Additional specific tasks and any deviations are described in the following sections.

2. SOIL VAPOR INTRUSION INVESTIGATION ACTIVITIES

The SVI evaluation was conducted at the 1410 Erie Boulevard structure, a slab-on-grade, unheated, corrugated metal building on 12 December 2024. The SVI evaluation included sub-slab vapor sample collection at two locations within the structure with concurrent indoor air sample collection and outdoor air sample collection. Sub-slab vapor sampling points were installed on the first floor as no basement or crawl space exists. Samples were collected in accordance with Section

11 of the Generic Field Activities Plan (EA 2023a) and NYSDOH SVI Guidance (NYSDOH 2006). EA inspected and documented the conditions at the sampling locations in the structure on the day of sample collection on a Structure Sampling Questionnaire (**Attachment A**).

2.1 SUB-SLAB VAPOR SAMPLING

A visual assessment of the condition of the building's floor slab was completed. The locations of the sub-slab vapor points were selected based on available floor space in the facility and positioned at least 3 feet from exterior walls as depicted on **Figure 2**. Sub-slab vapor points were installed via a hammer drill through the floor slab and sealed with beeswax. Once the sub-slab vapor point was installed and the beeswax had hardened, a dry leak test was performed using helium tracer gas. All sub-slab vapor points passed the leak test, and no repair or augmentation was required. A 6-Liter (L) Summa[®] Canister with a vacuum gauge and flow controller was connected to the sample tubing, flow controllers were set to fill the 6-L Summa[®] canisters over an 8-hour collection period. At the sub-slab vapor point where the duplicate sample was collected, two 6-L Summa[®] canisters were connected to a single vacuum gauge and flow controller via a stainless-steel tee that allowed both canisters to collect sub-slab vapor samples simultaneously.

The serial number of the canister and associated regulator were recorded on the field sampling form (**Attachment A**). Sample identification, sample start date/time, vacuum gauge pressure, and required analysis (U.S. Environmental Protection Agency [EPA] Method TO-15) were recorded on the canister identification tag and the field sampling form.

Following the 8-hour collection period, the canister valve was closed to terminate sample collection. The flow regulator ending gauge pressure and sample end time were recorded on the canister identification tag and the field sampling form. Samples were collected before the 8-hour collection time if the vacuum readings were below -5 inch(es) of mercury in column (inHg). Samples were collected between 7 and 8 hours from being set. Pertinent sample information was recorded on the associated chain-of-custody, and the canister was sent to Pace Analytical, East Longmeadow, Massachusetts, laboratory for analysis of VOCs by EPA Method TO-15 selected ion monitoring (SIM).

2.2 INDOOR AND OUTDOOR AIR SAMPLING

Two indoor air samples and one field duplicate were collected from the building as part of the SVI evaluation. Indoor air samples were collected in the general vicinity of the sub-slab vapor points. One ambient outdoor air sample and corresponding field duplicate were placed upwind in proximity to the structure. Indoor and outdoor air samples were set up to collect a representative air sample from within the breathing zone (i.e., 3 to 5 feet above the floor). Six liter Summa[®] canisters with vacuum gauges and flow controllers were used to collect the indoor and outdoor air samples. The flow controllers were set to fill the 6-L Summa[®] canister over an 8-hour collection period. Locations of the indoor and outdoor air samples are illustrated on **Figure 2**.

Prior to initiating sampling, the serial number of the canister and associated regulator were recorded on the field sampling form (**Attachment A**). Sample identification, sample start

date/time, vacuum gauge pressure, and required analysis (EPA Method TO-15) were recorded on the canister identification tag and the field sampling form.

Following the 8-hour collection period, the canister valves were closed to terminate sample collection, unless the sample pressure reached below -5inHg prior to the 8-hour period being up. Flow regulator ending gauge pressures and sample end times were recorded on the canister identification tags and the field sampling forms. Pertinent sample information was recorded on the associated chain-of-custody. Indoor and outdoor air samples were sent to Pace Analytical, East Longmeadow, Massachusetts, laboratory for analysis of VOCs by EPA Method TO-15 SIM.

3. RESULTS SUMMARY

Tables 1a and 1b provide a summary of the sub-slab vapor and indoor/outdoor air sample laboratory analytical results, respectively. Analytical results are illustrated in **Figure 3**. The laboratory analytical report is included in **Attachment B**. DBR Plumbing is primarily used for cold storage of equipment and materials used by the business. DBR Plumbing's offices are located further east along Erie Boulevard, Syracuse, New York. The structure is an unheated corrugated metal building with several holes noted in the exterior of the structure. While sampling was conducted, the overhead doors were opened periodically through the sampling event. The building owners also started and moved several pieces of equipment located inside the structure, such as a dump truck and a track-mounted excavator, the day before and the morning before starting the sample collection. The building inventory questionnaires are included in **Attachment A** and the chemical inventory can be found in **Attachment C**.

3.1 SOIL VAPOR INTRUSION SAMPLING RESULTS

Two sub-slab vapor samples were collected during the supplemental PDI field activities along with two corresponding indoor air samples from within the structure as well as one outdoor air sample. Field duplicates were collected from sub-slab soil vapor, indoor air, and outdoor air. **Table 2a** summarizes the analytes detected above the method detection limit in the sub-slab soil vapor samples while **Table 2b** summarizes analytes detected above the method detection limit in the indoor and outdoor air samples. **Table 3** presents a comparison of indoor air and sub-slab vapor sample results using the NYSDOH screening matrices (NYSDOH 2024).

Concentrations of analytes 1,1-dichloroethene, *cis*-1,2-dichloroethylene (DCE), and vinyl chloride in indoor air and sub-slab vapor samples were below action levels presented in the NYSDOH screening matrices (NYSDOH 2024). The following analytes were detected in indoor air and/or sub-slab vapor samples: 1,1,1-trichloroethane (TCA), 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 2,2,4-trimethylpentane, benzene, carbon tetrachloride, cyclohexane, ethylbenzene, methylene chloride, xylenes, naphthalene, n-heptane, n-hexane, tetrachloroethylene, toluene, and trichloroethylene. Based on a comparison of indoor air and sub-slab vapor concentrations as presented in the NYSDOH screening matrices (NYSDOH 2024), no further actions are recommended to evaluate the potential for human exposure to site-related VOCs.

Analytes such as benzene, 1,2,4-trimethylbenzene, and 2,2,4-trimethylpentane are found in several chemicals stored within the building including various diesel products, fuel additives, degreasing

agents, fire extinguishers, adhesives, and aerosols (**Attachment C**). Several chemicals identified in the building chemical inventory also contain carbon tetrachloride and methylene chloride as an ingredient. Neither of these chemicals are listed as a site-related contaminant of concern (COC). Additionally, methylene chloride and carbon tetrachloride were detected at similar concentrations in outdoor air. The outdoor air sample and duplicate had detections of carbon tetrachloride of 0.478 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and 0.491 $\mu\text{g}/\text{m}^3$, respectively. Detections of carbon tetrachloride in the outdoor air sample and duplicate are within the ambient air concentration ranges (0.5 to 0.7 $\mu\text{g}/\text{m}^3$) documented across the country in the EPA's report summarizing ambient air toxics measurements from 2003 to 2020 (EPA 2022). There are several analytes that were detected in both the indoor and outdoor air samples suggesting there is communication between the indoor and outdoor environments that are likely contributing to the indoor air detections.

3.2 DATA USABILITY SUMMARY REPORT

Sampling data was reviewed by EA's data validation subcontractor, Environmental Data Services, Inc. of Palm Beach Gardens, Florida (EDS, Inc.). The analytical data was reviewed for completeness, accuracy, and precision. EDS, Inc. identified poor instrument sensitivity for Freon-114 and qualified all results for Freon-114 with a "J" qualifier. It should be noted that Freon-114 was non-detect in all samples collected. The data, as qualified, are usable and meet the quality objectives for the intended use. The data usability summary report is presented in **Attachment D**.

4. CONCLUSIONS

Based on the comparison of the SVI laboratory analytical results to the NYSDOH Decision Matrices, EA concludes that:

- Several analytes detected in indoor air samples are also in chemicals stored within the building and/or used for operation and maintenance of equipment (**Attachment C**).
- The building owners started and moved pieces of equipment located inside the structure, such as a dump truck and a track-mounted excavator, the day before and the morning of sample collection, which likely affected indoor air sample results since many analytes detected are associated with petroleum and gasoline products.
- Detections of 1,2,4-trimethylbenzene, 2,2,4-trimethylpentane, benzene, ethylbenzene, toluene, xylenes, and other fuel-related compounds were below action levels based on the concentrations of both indoor air and sub-slab vapor.
- Detections of carbon tetrachloride in the outdoor air and indoor air samples are within the ambient air concentration ranges (0.5 to 0.7 $\mu\text{g}/\text{m}^3$) documented across the country in the EPA's report summarizing ambient air toxics measurements from 2003 to 2020 (EPA 2022).
- No other SVI related actions are necessary at this time.

5. REFERENCES

EA Engineering, P.C. and its affiliate EA Science and Technology. 2020. *Generic Quality Assurance Project Plan for Work Assignments*. April.

———. 2023a. *Generic Field Activities Plan for Work Assignments*. March.

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Table 1a. Summary of Sub-Slab Soil Vapor Sample Results

Analyte	Location	SSG-1	SSG-2	SSG-2
	Smample Name	B00075-SSG-1-20241212	B00075-SSG-2-20241212	B00075-DUP-2-20241212
	Parent Sample Name			B00075-SSG-2-20241212
	Sample Date	12/12/2024	12/12/2024	12/12/2024
Unit	Result	Result	Result	
VOCs (TO15 SIM)				
1,1,1-Trichloroethane (TCA)	µg/m ³	0.147	< 0.032 U	< 0.032 U
1,1,2,2-Tetrachloroethane	µg/m ³	< 0.046 U	0.357	0.385
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m ³	0.368 J	0.445	0.445
1,1,2-Trichloroethane	µg/m ³	< 0.053 U	< 0.053 U	< 0.053 U
1,1-Dichloroethane	µg/m ³	< 0.035 U	< 0.035 U	< 0.035 U
1,1-Dichloroethene	µg/m ³	< 0.031 U	< 0.031 U	< 0.031 U
1,2,4-Trichlorobenzene	µg/m ³	< 0.108 U	< 0.108 U	< 0.108 U
1,2,4-Trimethylbenzene	µg/m ³	0.428	16.6	16.4
1,2-Dibromoethane (Ethylene Dibromide)	µg/m ³	< 0.07 U	< 0.07 U	< 0.07 U
1,2-Dichlorobenzene	µg/m ³	< 0.037 U	< 0.037 U	< 0.037 U
1,2-Dichloroethane	µg/m ³	< 0.034 U	< 0.034 U	< 0.034 U
1,2-Dichloropropane	µg/m ³	< 0.038 U	< 0.038 U	< 0.038 U
1,2-Dichlorotetrafluoroethane	µg/m ³	0.133 J	0.133 J	0.147 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m ³	0.054 J	4.84	5.01
1,3-Dichlorobenzene	µg/m ³	< 0.046 U	< 0.046 U	< 0.046 U
1,4-Dichlorobenzene	µg/m ³	< 0.045 U	< 0.045 U	< 0.045 U
1,4-Dioxane (P-Dioxane)	µg/m ³	< 0.124 U	< 0.124 U	< 0.124 U
2,2,4-Trimethylpentane	µg/m ³	0.182 J	4.42	4.72
Benzene	ug/m ³	0.256 J	2.3	2.44
Benzyl Chloride	µg/m ³	< 0.172 U	< 0.172 U	< 0.172 U
Bromodichloromethane	µg/m ³	< 0.05 U	1.23	1.26
Bromoform	µg/m ³	< 0.115 U	< 0.115 U	< 0.115 U
Bromomethane	µg/m ³	< 0.037 U	< 0.037 U	< 0.037 U
Carbon Tetrachloride	µg/m ³	< 0.069 U	< 0.069 U	< 0.069 U
Chlorobenzene	µg/m ³	< 0.119 U	< 0.119 U	< 0.119 U
Chloroethane	µg/m ³	< 0.104 U	0.108 J	0.15 J
Chloroform	µg/m ³	2.03	591	601
Chloromethane (Methyl Chloride)	µg/m ³	0.194 J	< 0.156 U	< 0.156 U
Cis -1,2-Dichloroethylene	µg/m ³	< 0.04 U	< 0.04 U	< 0.04 U
Cis -1,3-Dichloropropene	µg/m ³	< 0.054 U	< 0.054 U	< 0.054 U
Cyclohexane	µg/m ³	< 0.108 U	1.26	1.38
Dibromochloromethane	µg/m ³	< 0.068 U	< 0.068 U	< 0.068 U
Dichlorodifluoromethane	µg/m ³	2.04	3.83	3.76
Ethanol	µg/m ³	< 2.54 U	< 2.54 U	< 2.54 U
Ethylbenzene	µg/m ³	0.122	1.28	1.39
Hexachlorobutadiene	µg/m ³	< 0.117 U	< 0.117 U	< 0.117 U
Methyl Ethyl Ketone (2-Butanone)	µg/m ³	0.522 J	3.54	3.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m ³	< 0.783 U	< 0.783 U	< 0.783 U
Methylene Chloride	µg/m ³	< 0.382 U	< 0.382 U	< 0.382 U
M-P-Xylene	µg/m ³	0.43	8.64	9.38
Naphthalene	µg/m ³	< 0.11 U	6.29	4.37
N-Heptane	µg/m ³	0.266 J	0.783 J	0.824
N-Hexane	µg/m ³	0.324 J	1.07	1.19
O-Xylene (1,2-Dimethylbenzene)	µg/m ³	0.191	4.78	5.3
Styrene	µg/m ³	< 0.034 U	0.081 J	0.085
Tert-Butyl Alcohol	µg/m ³	< 0.406 U	< 0.406 U	< 0.406 U
Tert-Butyl Methyl Ether	µg/m ³	< 0.094 U	2.56	2.71
Tetrachloroethylene (PCE)	µg/m ³	0.631	1.38	1.44
Toluene	µg/m ³	1.17	15.9	16.7
Trans -1,2-Dichloroethene	µg/m ³	< 0.036 U	< 0.036 U	< 0.036 U
Trans -1,3-Dichloropropene	µg/m ³	< 0.052 U	< 0.052 U	< 0.052 U
Trichloroethylene (TCE)	µg/m ³	0.059 J	< 0.032 U	< 0.032 U
Trichlorofluoromethane	µg/m ³	3.6	134	131
Vinyl Chloride	µg/m ³	< 0.023 U	< 0.023 U	< 0.023 U

Notes:

µg/m³ = Microgram(s) per meter-cubed

J = Concentration is estimated

U = Analyte not detected

VOC = Volatile organic compound

Table 1b. Summary of Indoor and Outdoor Air Sample Results

Location Sample Name Parent Sample Name Sample Date		IA-1 B00075-IA-1-20241212 12/12/2024	IA-2 B00075-IA-2-20241212 12/12/2024	OA-1 B00075-OA-1-20241212 12/12/2024	OA-1 B00075-DUP-01-20241212 B00075-OA-1-20241212 12/12/2024
Analyte	Unit	Result	Result	Result	Result
VOCs (TO15 SIM)					
1,1,1-Trichloroethane (TCA)	µg/m ³	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U
1,1,2,2-Tetrachloroethane	µg/m ³	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m ³	0.644	0.644	0.644	0.644
1,1,2-Trichloroethane	µg/m ³	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
1,1-Dichloroethane	µg/m ³	< 0.035 U	< 0.035 U	< 0.035 U	< 0.035 U
1,1-Dichloroethene	µg/m ³	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U
1,2,4-Trichlorobenzene	µg/m ³	< 0.108 U	< 0.108 U	< 0.108 U	< 0.108 U
1,2,4-Trimethylbenzene	µg/m ³	1.76	1.6	0.197	0.167
1,2-Dibromoethane (Ethylene Dibromide)	µg/m ³	< 0.07 U	< 0.07 U	< 0.07 U	< 0.07 U
1,2-Dichlorobenzene	µg/m ³	< 0.037 U	< 0.037 U	< 0.037 U	< 0.037 U
1,2-Dichloroethane	µg/m ³	0.081	0.081	0.073 J	0.073 J
1,2-Dichloropropane	µg/m ³	< 0.038 U	< 0.038 U	< 0.038 U	< 0.038 U
1,2-Dichlorotetrafluoroethane	µg/m ³	0.14 J	0.14 J	0.14 J	0.133 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m ³	0.211	0.241	< 0.047 U	< 0.047 U
1,3-Dichlorobenzene	µg/m ³	< 0.046 U	< 0.046 U	< 0.046 U	< 0.046 U
1,4-Dichlorobenzene	µg/m ³	< 0.045 U	< 0.045 U	< 0.045 U	< 0.045 U
1,4-Dioxane (P-Dioxane)	µg/m ³	< 0.124 U	< 0.124 U	< 0.124 U	< 0.124 U
2,2,4-Trimethylpentane	µg/m ³	2.01	2.01	< 0.173 U	< 0.173 U
Benzene	ug/m ³	1.03	1.83	0.332	0.332
Benzyl Chloride	µg/m ³	< 0.172 U	< 0.172 U	< 0.172 U	< 0.172 U
Bromodichloromethane	µg/m ³	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Bromoform	µg/m ³	< 0.115 U	< 0.115 U	< 0.115 U	< 0.115 U
Bromomethane	µg/m ³	< 0.037 U	0.039 J	< 0.037 U	0.043 J
Carbon Tetrachloride	µg/m ³	0.491	0.484	0.478	0.491
Chlorobenzene	µg/m ³	< 0.119 U	< 0.119 U	< 0.119 U	< 0.119 U
Chloroethane	µg/m ³	< 0.104 U	< 0.104 U	< 0.104 U	< 0.104 U
Chloroform	µg/m ³	0.098	0.103	0.088 J	0.093 J
Chloromethane (Methyl Chloride)	µg/m ³	1.1	1.04	1.1	1.04
Cis-1,2-Dichloroethylene	µg/m ³	< 0.04 U	< 0.04 U	< 0.04 U	< 0.04 U
Cis-1,3-Dichloropropene	µg/m ³	< 0.054 U	< 0.054 U	< 0.054 U	< 0.054 U
Cyclohexane	µg/m ³	0.182 J	0.193 J	< 0.108 U	< 0.108 U
Dibromochloromethane	µg/m ³	< 0.068 U	< 0.068 U	< 0.068 U	< 0.068 U
Dichlorodifluoromethane	µg/m ³	2.63	2.61	2.65	2.56
Ethanol	µg/m ³	4.67 J	4.58 J	2.83 J	2.73 J
Ethylbenzene	µg/m ³	0.673	0.686	0.074 J	0.07 J
Hexachlorobutadiene	µg/m ³	< 0.117 U	< 0.117 U	< 0.117 U	< 0.117 U
Methyl Ethyl Ketone (2-Butanone)	µg/m ³	1.86	1.67	3.86	< 0.389 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µg/m ³	< 0.783 U	< 0.783 U	< 0.783 U	< 0.783 U
Methylene Chloride	µg/m ³	0.483 J	0.486 J	0.486 J	0.472 J
M-P-Xylene	µg/m ³	2.15	2.16	0.208	0.182
Naphthalene	µg/m ³	0.367	0.514	< 0.11 U	< 0.11 U
N-Heptane	µg/m ³	0.488 J	0.496 J	< 0.128 U	< 0.128 U
N-Hexane	µg/m ³	0.624 J	0.613 J	< 0.166 U	< 0.166 U
O-Xylene (1,2-Dimethylbenzene)	µg/m ³	0.912	0.93	0.096	0.083 J
Styrene	µg/m ³	0.089	0.187	< 0.034 U	< 0.034 U
Tert-Butyl Alcohol	µg/m ³	< 0.406 U	< 0.406 U	< 0.406 U	< 0.406 U
Tert-Butyl Methyl Ether	µg/m ³	< 0.094 U	< 0.094 U	< 0.094 U	< 0.094 U
Tetrachloroethylene (PCE)	µg/m ³	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Toluene	µg/m ³	4.82	4.71	0.433	0.384
Trans-1,2-Dichloroethene	µg/m ³	< 0.036 U	< 0.036 U	< 0.036 U	< 0.036 U
Trans-1,3-Dichloropropene	µg/m ³	< 0.052 U	< 0.052 U	< 0.052 U	< 0.052 U
Trichloroethylene (TCE)	µg/m ³	< 0.032 U	< 0.032 U	< 0.032 U	< 0.032 U
Trichlorofluoromethane	µg/m ³	1.53	1.52	1.48	1.48
Vinyl Chloride	µg/m ³	< 0.023 U	< 0.023 U	< 0.023 U	< 0.023 U

Notes:

µg/m³ = Microgram(s) per meter-cubed

J = Concentration is estimated

U = Analyte not detected

VOCs = Volatile organic compounds

Table 2a. Detections in Sub-Slab Soil Vapor Samples

Location Sample Name Parent Sample Name Sample Date		SSG-1 B00075-SSG-1-20241212 12/12/2024	SSG-2 B00075-SSG-2-20241212 12/12/2024	SSG-2 B00075-DUP-2-20241212 B00075-SSG-2-20241212 12/12/2024
Analyte	Unit	Result	Result	Result
VOCs (TO15 SIM)				
1,1,1-Trichloroethane (TCA)	µg/m ³	0.147	< 0.032 U	< 0.032 U
1,1,2,2-Tetrachloroethane	µg/m ³	< 0.046 U	0.357	0.385
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m ³	0.368 J	0.445	0.445
1,2,4-Trimethylbenzene	µg/m ³	0.428	16.6	16.4
1,2-Dichlorotetrafluoroethane	µg/m ³	0.133 J	0.133 J	0.147 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m ³	0.054 J	4.84	5.01
2,2,4-Trimethylpentane	µg/m ³	0.182 J	4.42	4.72
Benzene	µg/m ³	0.256 J	2.3	2.44
Bromodichloromethane	µg/m ³	< 0.05 U	1.23	1.26
Chloroethane	µg/m ³	< 0.104 U	0.108 J	0.15 J
Chloroform	µg/m ³	2.03	591	601
Chloromethane (Methyl Chloride)	µg/m ³	0.194 J	< 0.156 U	< 0.156 U
Cyclohexane	µg/m ³	< 0.108 U	1.26	1.38
Dichlorodifluoromethane	µg/m ³	2.04	3.83	3.76
Ethylbenzene	µg/m ³	0.122	1.28	1.39
Methyl Ethyl Ketone (2-Butanone)	µg/m ³	0.522 J	3.54	3.6
M-P-Xylene	µg/m ³	0.43	8.64	9.38
Naphthalene	µg/m ³	< 0.11 U	6.29	4.37
N-Heptane	µg/m ³	0.266 J	0.783 J	0.824
N-Hexane	µg/m ³	0.324 J	1.07	1.19
O-Xylene (1,2-Dimethylbenzene)	µg/m ³	0.191	4.78	5.3
Styrene	µg/m ³	< 0.034 U	0.081 J	0.085
Tert-Butyl Methyl Ether	µg/m ³	< 0.094 U	2.56	2.71
Tetrachloroethylene (PCE)	µg/m ³	0.631	1.38	1.44
Toluene	µg/m ³	1.17	15.9	16.7
Trichloroethylene (TCE)	µg/m ³	0.059 J	< 0.032 U	< 0.032 U
Trichlorofluoromethane	µg/m ³	3.6	134	131

Notes:

µg/m³ = Microgram(s) per meter-cubed

J = Concentration is estimated

U = Analyte not detected

VOCs = Volatile organic compounds

Table 2b. Detections in Indoor and Outdoor Air Samples

Location Sample Name Parent Sample Name Sample Date		IA-1 B00075-IA-1-20241212 12/12/2024	IA-2 B00075-IA-2-20241212 12/12/2024	OA-1 B00075-OA-1-20241212 12/12/2024	OA-1 B00075-DUP-01-20241212 B00075-OA-1-20241212 12/12/2024
Analyte	Unit	Result	Result	Result	Result
VOCs (TO15 SIM)					
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m ³	0.644	0.644	0.644	0.644
1,2,4-Trimethylbenzene	µg/m ³	1.76	1.6	0.197	0.167
1,2-Dichloroethane	µg/m ³	0.081	0.081	0.073 J	0.073 J
1,2-Dichlorotetrafluoroethane	µg/m ³	0.14 J	0.14 J	0.14 J	0.133 J
1,3,5-Trimethylbenzene (Mesitylene)	µg/m ³	0.211	0.241	< 0.047 U	< 0.047 U
2,2,4-Trimethylpentane	µg/m ³	2.01	2.01	< 0.173 U	< 0.173 U
Benzene	µg/m ³	1.03	1.83	0.332	0.332
Bromomethane	µg/m ³	< 0.037 U	0.039 J	< 0.037 U	0.043 J
Carbon Tetrachloride	µg/m ³	0.491	0.484	0.478	0.491
Chloroform	µg/m ³	0.098	0.103	0.088 J	0.093 J
Chloromethane (Methyl Chloride)	µg/m ³	1.1	1.04	1.1	1.04
Cyclohexane	µg/m ³	0.182 J	0.193 J	< 0.108 U	< 0.108 U
Dichlorodifluoromethane	µg/m ³	2.63	2.61	2.65	2.56
Ethanol	µg/m ³	4.67 J	4.58 J	2.83 J	2.73 J
Ethylbenzene	µg/m ³	0.673	0.686	0.074 J	0.07 J
Methyl Ethyl Ketone (2-Butanone)	µg/m ³	1.86	1.67	3.86	< 0.389 U
Methylene Chloride	µg/m ³	0.483 J	0.486 J	0.486 J	0.472 J
M-P-Xylene	µg/m ³	2.15	2.16	0.208	0.182
Naphthalene	µg/m ³	0.367	0.514	< 0.11 U	< 0.11 U
N-Heptane	µg/m ³	0.488 J	0.496 J	< 0.128 U	< 0.128 U
N-Hexane	µg/m ³	0.624 J	0.613 J	< 0.166 U	< 0.166 U
O-Xylene (1,2-Dimethylbenzene)	µg/m ³	0.912	0.93	0.096	0.083 J
Styrene	µg/m ³	0.089	0.187	< 0.034 U	< 0.034 U
Toluene	µg/m ³	4.82	4.71	0.433	0.384
Trichlorofluoromethane	µg/m ³	1.53	1.52	1.48	1.48

Notes:

µg/m³ = Microgram(s) per meter-cubed

J = Concentration is estimated

U = Analyte not detected

VOCs = Volatile organic compounds

Table 3. Comparison of Indoor Air and Sub-Slab Soil Vapor Results to NYSDOH Guidance Values

Location Sample Name Sample Matrix Sample Date		NYSDOH Guidance for Evaluating SVI in the State of NY ¹	IA-1 B00075-IA-1-20241212 Indoor Air 12/12/2024		SSG-1 B00075-SSG-1-20241212 Sub-Slab Soil Vapor 12/12/2024			IA-2 B00075-IA-2-20241212 Indoor Air 12/12/2024		SSG-2 B00075-SSG-2-20241212 Sub-Slab Soil Vapor 12/12/2024		
Analyte ²	Unit		Result	Qual	Result	Qual	Action	Result	Qual	Result	Qual	Action
VOCs (TO15 SIM)												
1,1,1-Trichloroethane (TCA)	µg/m ³	Matrix B	< 0.032	U	0.147		NFA	< 0.032	U	< 0.032	U	NFA
1,1,2,2-Tetrachloroethane	µg/m ³		< 0.046	U	< 0.046	U	NA	< 0.046	U	0.357		NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	µg/m ³		0.644		0.368	J	NA	0.644		0.445		NA
1,2,4-Trimethylbenzene	µg/m ³	Matrix D	1.76		0.428		NFA	1.6		16.6		NFA
1,2-Dichloroethane	µg/m ³		0.081		< 0.034	U	NA	0.081		< 0.034	U	NA
1,2-Dichlorotetrafluoroethane	µg/m ³		0.14	J	0.133	J	NA	0.14	J	0.133	J	NA
1,3,5-Trimethylbenzene (Mesitylene)	µg/m ³	Matrix D	0.211		0.054	J	NFA	0.241		4.84		NFA
2,2,4-Trimethylpentane	µg/m ³	Matrix D	2.01		0.182	J	NFA	2.01		4.42		NFA
Benzene	µg/m ³	Matrix D	1.03		0.256	J	NFA	1.83		2.3		NFA
Bromodichloromethane	µg/m ³		< 0.05	U	< 0.05	U	NA	< 0.05	U	1.23		NA
Bromomethane	µg/m ³		< 0.037	U	< 0.037	U	NA	0.039	J	< 0.037	U	NA
Carbon Tetrachloride	µg/m ³	Matrix A	0.491		< 0.069	U	NFA	0.484		< 0.069	U	NFA
Chloroethane	µg/m ³		< 0.104	U	< 0.104	U	NA	< 0.104	U	0.108	J	NA
Chloroform	µg/m ³		0.098		2.03		NA	0.103		591		NA
Chloromethane (Methyl Chloride)	µg/m ³		1.1		0.194	J	NA	1.04		< 0.156	U	NA
Cyclohexane	µg/m ³	Matrix D	0.182	J	< 0.108	U	NFA	0.193	J	1.26		NFA
Dichlorodifluoromethane	µg/m ³		2.63		2.04		NA	2.61		3.83		NA
Ethanol	µg/m ³		4.67	J	< 2.54	U	NA	4.58	J	< 2.54	U	NA
Ethylbenzene	µg/m ³	Matrix D	0.673		0.122		NFA	0.686		1.28		NFA
Methyl Ethyl Ketone (2-Butanone)	µg/m ³		1.86		0.522	J	NA	1.67		3.54		NA
Methylene Chloride	µg/m ³	Matrix B	0.483	J	< 0.382	U	NFA	0.486	J	< 0.382	U	NFA
M-P-Xylene	µg/m ³	Matrix E	2.15		0.43		NFA	2.16		8.64		NFA
Naphthalene	µg/m ³	Matrix D	0.367		< 0.11	U	NFA	0.5147		6.29		NFA
N-Heptane	µg/m ³	Matrix E	0.488	J	0.266	J	NFA	0.496	J	0.783	J	NFA
N-Hexane	µg/m ³	Matrix E	0.624	J	0.324	J	NFA	0.613	J	1.07		NFA
O-Xylene (1,2-Dimethylbenzene)	µg/m ³	Matrix D	0.912		0.191		NFA	0.93		4.78		NFA
Styrene	µg/m ³		0.089		< 0.034	U	NA	0.187		0.081	J	NA
Tert-Butyl Methyl Ether	µg/m ³		< 0.094	U	< 0.094	U	NA	< 0.094	U	2.56		NA
Tetrachloroethylene (PCE)	µg/m ³	Matrix B	< 0.05	U	0.631		NFA	< 0.05	U	1.38		NFA
Toluene	µg/m ³	Matrix F	4.82		1.17		NFA	4.71		15.9		NFA
Trichloroethylene (TCE)	µg/m ³	Matrix A	< 0.032	U	0.059	J	NFA	< 0.032	U	< 0.032	U	NFA
Trichlorofluoromethane	µg/m ³		1.53		3.6		NA	1.52		134		NA

Notes:

1. NYSDOH Ambient Air Guidelines and Immediate Action Levels based on the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, and NYSDOH Soil Vapor Intrusion Updates dated September 2013, August 2015, and May 2017.

2. Only analytes detected in one or more media are presented in this table. Non-detects are not included.

µg/m³ = Microgram(s) per cubic meter

ID = Identification

IS = Identify source(s) and resample or mitigate

J = Concentration is estimated

MI = Mitigate

MO = Monitor

NA = Not applicable

NFA = No Further Action

NY = New York

NYSDOH = New York State Department of Health

Qual = Qualifier

SVI = Soil vapor intrusion

U = Not detected at or above the method detection limit

Purple shading indicates that results were detected.

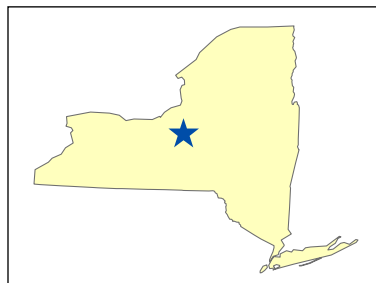
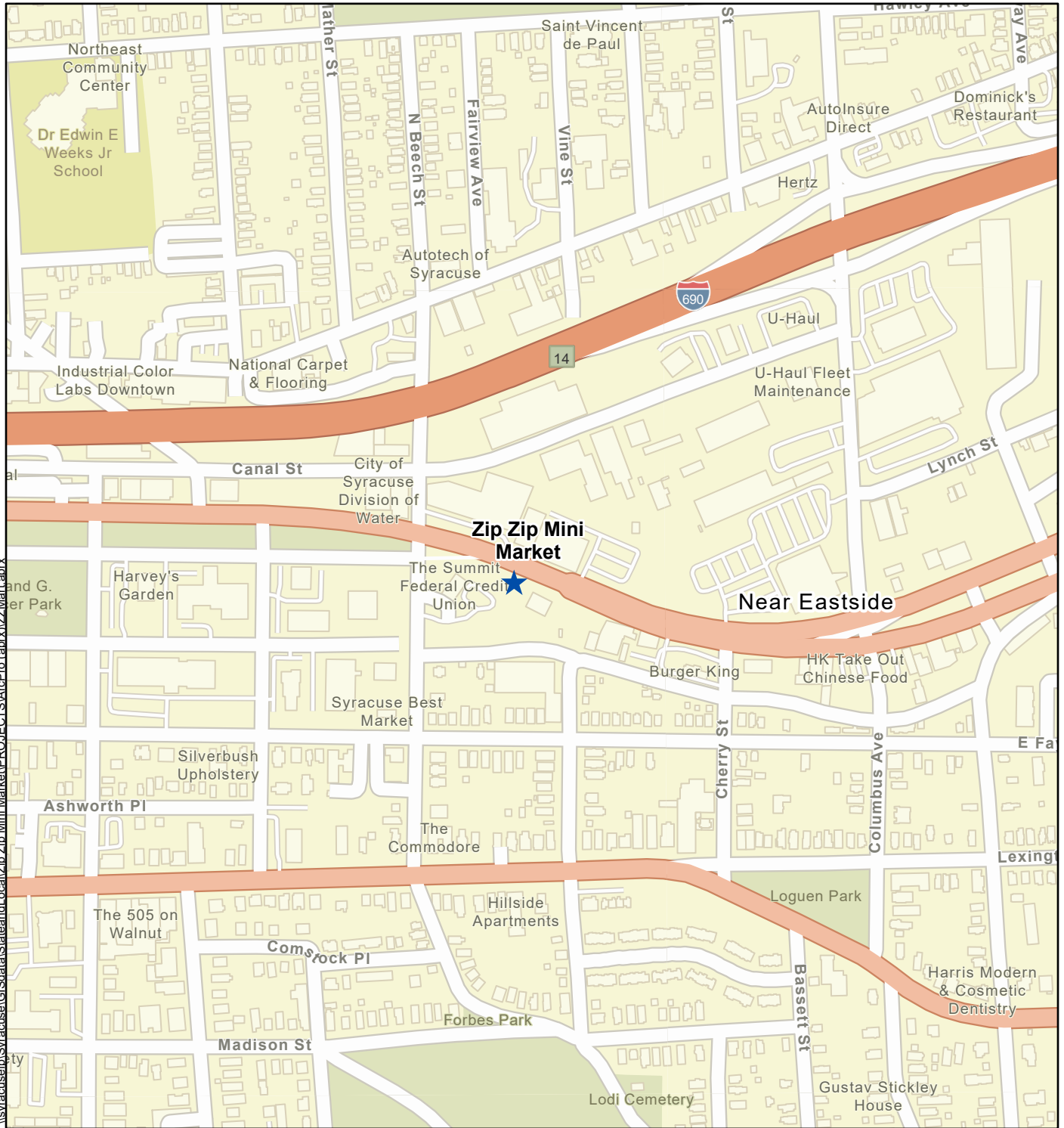
Green shading indicates no further action is necessary.

Yellow shading indicates additional monitoring is required.

Orange shading indicates that sources of compound should be identified and then resampling or mitigation should occur.

Red shading indicates that mitigation efforts are required.

Figures



Legend

- ★ Site Location

0 250 500
Feet

N

Figure 1

Site Location

Zip Zip Mini Market
(NYSDEC Site No. B00075)
Syracuse, New York

Map Date: 2/7/2025
Projection: NAD 1983 State Plane New York Central FIPS
Source: ESRI, NYS

\\syracuse\eh\Syracuse\GIS\StateandLocal\Zip Mini Market\PROJECTS\ArcPro\aprx\ZZMart.aprx



VICINITY MAP



Legend

★ Site Location

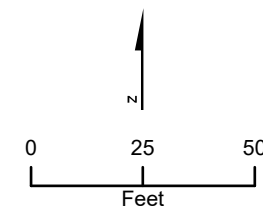
□ Site Outline

SVI Locations

● Indoor Air

● Outdoor Air

● Sub-Slab



Map Date: 2/7/2025
Projection: NAD 1983 State Plane
New York Central FIPS
Source: ESRI, NYS



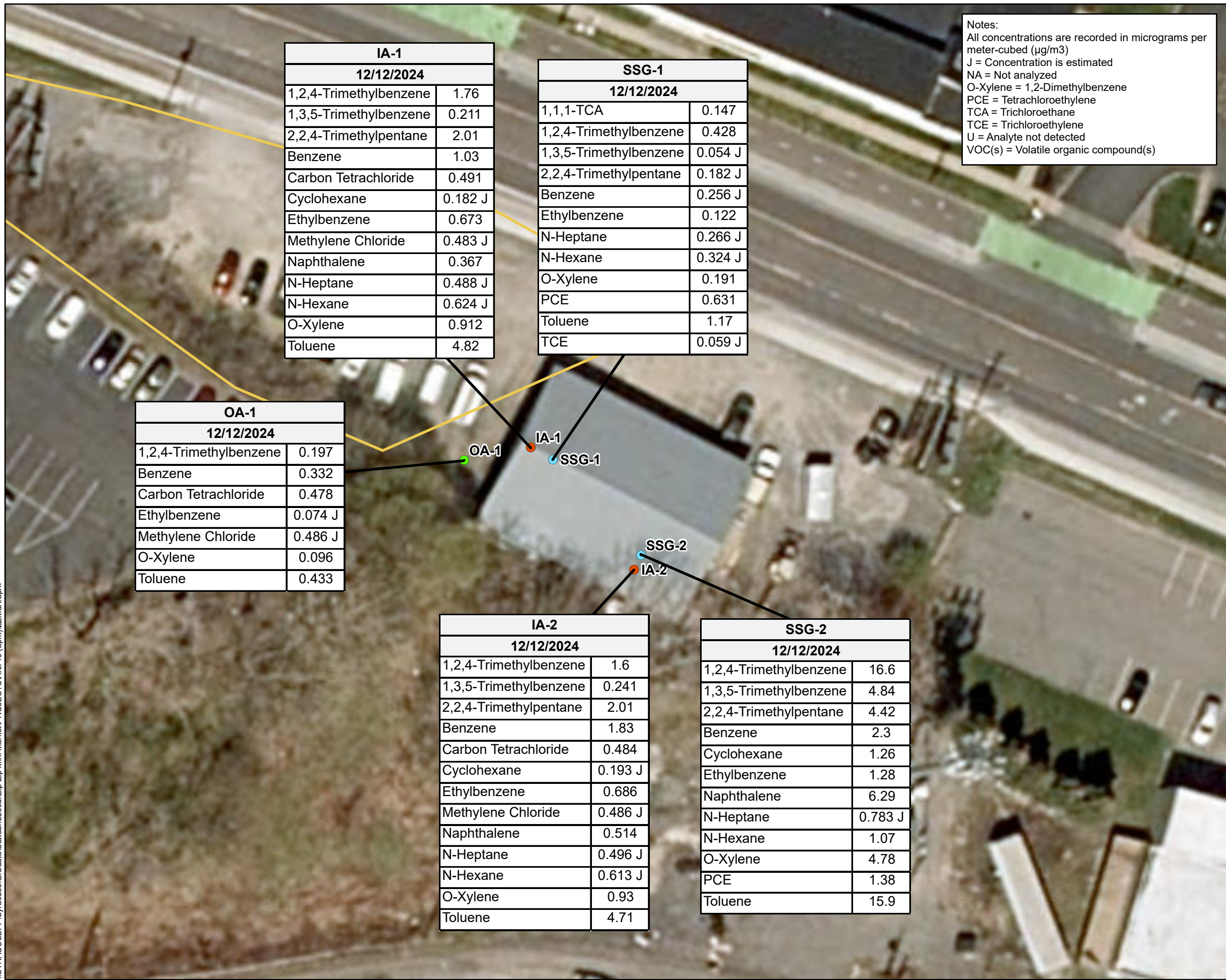
Department of
Environmental
Conservation



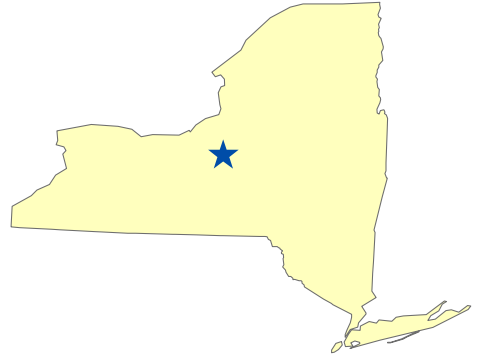
Figure 2 Soil Vapor Intrusion Sampling Locations

Zip Zip Mini Market
(NYSDEC Site No. B00075)
Syracuse, NY

\\SYRACUSE\FPI\Syracuse\GISdata\StateandLocal\Zip Mini Market\PROJECTS\AtpPro (aprx)\ZZMart.aprx



VICINITY MAP



Legend

- ★ Site Location
- Site Outline
- SVI Locations**
- Indoor Air
- Outdoor Air
- Sub-Slab

Map Date: 10/1/2025
Projection: NAD 1983 State Plane New York Central
FIPS
Source: ESRI, NYS

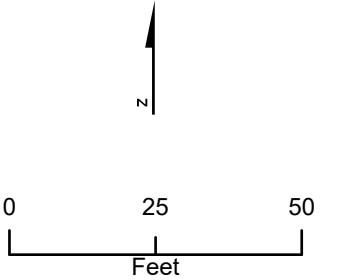


Figure 3
Soil Vapor Intrusion Sampling Results
(December 2024)
Zip Zip Mini Market
(NYSDEC Site No. B00075)
Syracuse, New York

Attachment A

Field Documentation



Field Soil Vapor Sampling

Project # 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Sample Location Information			
Site ID Number	B00075	Sampler(s)	H. Bedell
PID Meter Used (Model, Serial #)		Soil Vapor I.D. No.	
SUMMA Canister Record:			
Soil Vapor Point		Duplicate Sample (If collected)	
Flow Regulator No.	0556	Flow Regulator No.	01530
Canister Serial No.	1542	Canister Serial No.	2776
Start Date	01-02-2025	Start Date	12-12-2024
Start Time	08:50	Start Time	08:50
Start Pressure (inches Hg)	-29.980	Start Pressure (inches Hg)	-30.530
Stop Date	01-02-2025	Stop Date	12-12-2024
Stop Time	16:45	Stop Time	16:45
Stop Pressure (inches Hg)	-4.980	Stop Pressure (inches Hg)	-5.970
Sample ID	B00075-SSG-2-20241212		Sample ID B00075-DUP-2-20241212
Other Sampling Information:			
Helium percentage achieved in enclosure for Tracer Gas Test	50.2	Depth to sample point	8"
Tracer Gas test result (% of Helium)	0 ppm	Nearest Groundwater Elevation	
Noticeable Odor?	Yes	Additional info Petroleum odor due to equipment usage	
Purge Volume PID Reading (ppb)	1,200.00		
Duplicate Sample?	Yes		
Outdoor Ambient Temperature (F)	30.0		
Wind Direction			
Comments:			



Field Soil Vapor Sampling

Project #	1602532
Project Name	Zip Zip Mini Mart
Location	Dewitt, NY
Project Manager	Emily Cummings

Sampler Signature

A handwritten signature in black ink, appearing to read 'H. Badu'.



Field Soil Vapor Sampling

Project # 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Sample Location Information

Site ID Number	B00075	Sampler(s)	H. Bedell
PID Meter Used (Model, Serial #)		Soil Vapor I.D. No.	

SUMMA Canister Record:

Soil Vapor Point		Duplicate Sample (If collected)	
Flow Regulator No.	01510	Flow Regulator No.	
Canister Serial No.	624	Canister Serial No.	
Start Date	12-12-2024	Start Date	
Start Time	09:00	Start Time	
Start Pressure (inches Hg)	-30.230	Start Pressure (inches Hg)	
Stop Date	12-12-2024	Stop Date	
Stop Time	16:05	Stop Time	
Stop Pressure (inches Hg)	-4.750	Stop Pressure (inches Hg)	
Sample ID	B00075-SSG-1-20241212		Sample ID

Other Sampling Information:

Helium percentage achieved in enclosure for Tracer Gas Test	56.2	Depth to sample point	8"
Tracer Gas test result (% of Helium)	0 ppm	Nearest Groundwater Elevation	
Noticeable Odor?	Yes	Additional info	
Purge Volume PID Reading (ppb)	800.00		
Duplicate Sample?	No		
Outdoor Ambient Temperature (F)	30.0		
Wind Direction			

Comments:

--



Field Soil Vapor Sampling

Project #	1602532
Project Name	Zip Zip Mini Mart
Location	Dewitt, NY
Project Manager	Emily Cummings

Sampler Signature

A handwritten signature in black ink, appearing to read 'J. Bedini'.



Indoor Air Sampling Form

Project No. 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Sample Location Information:

Site ID Number	B00075	Sampler(s)	H. Bedell
PID Meter Used (Model, Serial #)		Building I.D. No.	

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	01249	Flow Regulator No.		Flow Regulator No.		Flow Regulator No.	02479
Canister Serial No.	1799	Canister Serial No.		Canister Serial No.		Canister Serial No.	1817
Start Date	12-12-2024	Start Date		Start Date		Start Date	12-12-2024
Start Time	09:00	Start Time		Start Time		Start Time	09:05
Start Pressure (inches Hg)	-30	Start Pressure (inches Hg)		Start Pressure (inches Hg)		Start Pressure (inches Hg)	-30
Stop Date	12-12-2024	Stop Date		Stop Date		Stop Date	12-12-2024
Stop Time	17:06	Stop Time		Stop Time		Stop Time	17:01
Stop Pressure (inches Hg)	-8	Stop Pressure (inches Hg)		Stop Pressure (inches Hg)		Stop Pressure (inches Hg)	-5
Sample ID	B00075-IA-1-20241212	Sample ID		Sample ID		Sample ID	B00075-OA-1-20241212

Other Sampling Information

Story/Level	1	Story/Level		Basement or Crawl Space?	No	Direction from Building	
Room	Warehouse	Room		Floor Slab Thickness (inches) [if present]		Distance from Building	
Indoor Air Temp (°F)	30	Indoor Air Temp (°F)		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	No	Barometric Pressure?	No	Ground Surface Condition (Crawl Space Only)		Intake Tubing Used?	No



Indoor Air Sampling Form

Project No. 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Intake Height Above Floor Level (ft.)	5	Intake Height Above Floor Level (ft.)		If slab, Intake Depth of Crawl Space, intake height		Distance to nearest Roadway	
Noticeable Odor?	Yes	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
PID Reading (ppb)	500	PID Reading (ppb)		PID Reading (ppb)		PID Reading (ppb)	0
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	Yes

Comments

Outdoor Air Duplicate
Regulator ID: 01787
Canister ID: 746
Start Date/Time: 12/12/24 @ 0905
Start Pressure: -30.17
Stop Date/Time: 12/12/24 @ 1701
Stop Pressure: -4.79

Sample ID: B00075-DUP-01-20241212

Sampler Signature



Indoor Air Sampling Form

Project No. 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Sample Location Information:

Site ID Number	B00075	Sampler(s)	H. Bedell
PID Meter Used (Model, Serial #)		Building I.D. No.	

SUMMA Canister Record:

INDOOR AIR - FIRST FLOOR		INDOOR AIR - BASEMENT		SUBSLAB SOIL GAS		OUTDOOR AIR	
Flow Regulator No.	01047	Flow Regulator No.		Flow Regulator No.		Flow Regulator No.	
Canister Serial No.	1808	Canister Serial No.		Canister Serial No.		Canister Serial No.	
Start Date	12-12-2024	Start Date		Start Date		Start Date	
Start Time	08:54	Start Time		Start Time		Start Time	
Start Pressure (inches Hg)	-28	Start Pressure (inches Hg)		Start Pressure (inches Hg)		Start Pressure (inches Hg)	
Stop Date	12-12-2024	Stop Date		Stop Date		Stop Date	
Stop Time	16:13	Stop Time		Stop Time		Stop Time	
Stop Pressure (inches Hg)	-5	Stop Pressure (inches Hg)		Stop Pressure (inches Hg)		Stop Pressure (inches Hg)	
Sample ID	B00075-IA-2-20241212	Sample ID		Sample ID		Sample ID	

Other Sampling Information

Story/Level	1	Story/Level		Basement or Crawl Space?	No	Direction from Building	
Room	Warehouse	Room		Floor Slab Thickness (inches) [if present]		Distance from Building	
Indoor Air Temp (°F)	30	Indoor Air Temp (°F)		Potential Vapor Entry Points Observed?	No	Intake Height Above Ground Level (ft.)	
Barometric Pressure?	No	Barometric Pressure?	No	Ground Surface Condition (Crawl Space Only)		Intake Tubing Used?	No



Indoor Air Sampling Form

Project No. 1602532
Project Name Zip Zip Mini Mart
Location Dewitt, NY
Project Manager Emily Cummings

Intake Height Above Floor Level (ft.)	3	Intake Height Above Floor Level (ft.)		If slab, Intake Depth of Crawl Space, intake height		Distance to nearest Roadway	
Noticeable Odor?	Yes	Noticeable Odor?	No	Noticeable Odor?	No	Noticeable Odor?	No
PID Reading (ppb)	800	PID Reading (ppb)		PID Reading (ppb)		PID Reading (ppb)	
Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No	Duplicate Sample?	No

Comments

Sampler Signature



Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

Site Name: Zip Zip MiniMart Site Code: B00075 Operable Unit: 1
Building Code: _____ Building Name: _____
Address: 1450 Erie Blvd. E, Syracuse Apt/Suite No: _____
City: Syracuse State: NY Zip: _____ County: Onondaga ☒

Contact Information

Preparer's Name: Hannah Bedell Phone No: 315-730-0872
Preparer's Affiliation: EA Engineering Company Code: EA EST
Purpose of Investigation: SVI Sampling Date of Inspection: 12/12/24
Contact Name: Hannah Bedell Affiliation: EA Engineering ☒
Phone No: 315-730-0872 Alt. Phone No: _____ Email: _____
Number of Occupants (total): _____ Number of Children: _____
☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?
Owner Name (if different): Dorine Owner Phone: _____
Owner Mailing Address: See address above

Building Details

Bldg Type (Res/Com/Ind/Mixed): Unattached Garage ☒ Bldg Size (S/M/L): Small ☒
If Commercial or Industrial Facility, Select Operations: Storage Building If Residential Select Structure Type: _____ ☒
Number of Floors: 1 Approx. Year Construction: _____ ☐ Building Insulated? No ☐ Attached Garage?
Describe Overall Building 'Tightness' and Airflows (e.g., results of smoke tests):
Not air tight

Foundation Description

Foundation Type: No Basement/Slab ☒ Foundation Depth (bgs): _____ Unit: FEET
Foundation Floor Material: Concrete ☒ Foundation Floor Thickness: _____ Unit: INCHES
Foundation Wall Material: N/A ☒ Foundation Wall Thickness: _____ Unit: INCHES
☐ Floor penetrations? Describe Floor Penetrations: _____
☐ Wall penetrations? Describe Wall Penetrations: _____
Basement is: N/A ☒ Basement is: N/A ☒ ☐ Sumps/Drains? Water In Sump?: N/A ☒
Describe Foundation Condition (cracks, seepage, etc.): _____
☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating/Cooling/Ventilation Systems No heating or cooling systems present

Heating System: None ☒ Heat Fuel Type: N/A ☒ ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: None ☒ Clothes Dryer Fuel Type: None ☒
Water Htr Vent Location: None ☒ Dryer Vent Location: None ☒



Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

Site Name: Zip-Zip Mini Mart Site Code: B00075 Operable Unit: 1
Building Code: _____ Building Name: _____
Address: See First Page Apt/Suite No: _____
City: _____ State: _____ Zip: _____ County: _____

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied?: Seldom Floor Material: Concrete

☐ Inhabited? ☐ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: _____ ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: _____

☐ Cleaning Products Used Recently? Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently? Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☐ Solvent or Chemical Odors? Describe Odors (if any): _____

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use, storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

Structure is an unattached garage used by a plumbing supply company for equipment storage. Several pieces of petroleum powered equipment are stored in the structure as well as several equipment maintenance products, such as gasoline and propane. Building is seldom occupied by employees.

☐ Any Prior Testing For Radon? No If So, When?: _____

☐ Any Prior Testing For VOCs? No If So, When?: _____

Sampling Conditions

Weather Conditions: cloudy Outdoor Temperature: 29 °F
Current Building Use: Unattached Storage Garage Barometric Pressure: _____ in(hg)
Product Inventory Complete? ☒ Yes ☐ No ☒ Building Questionnaire Completed? yes

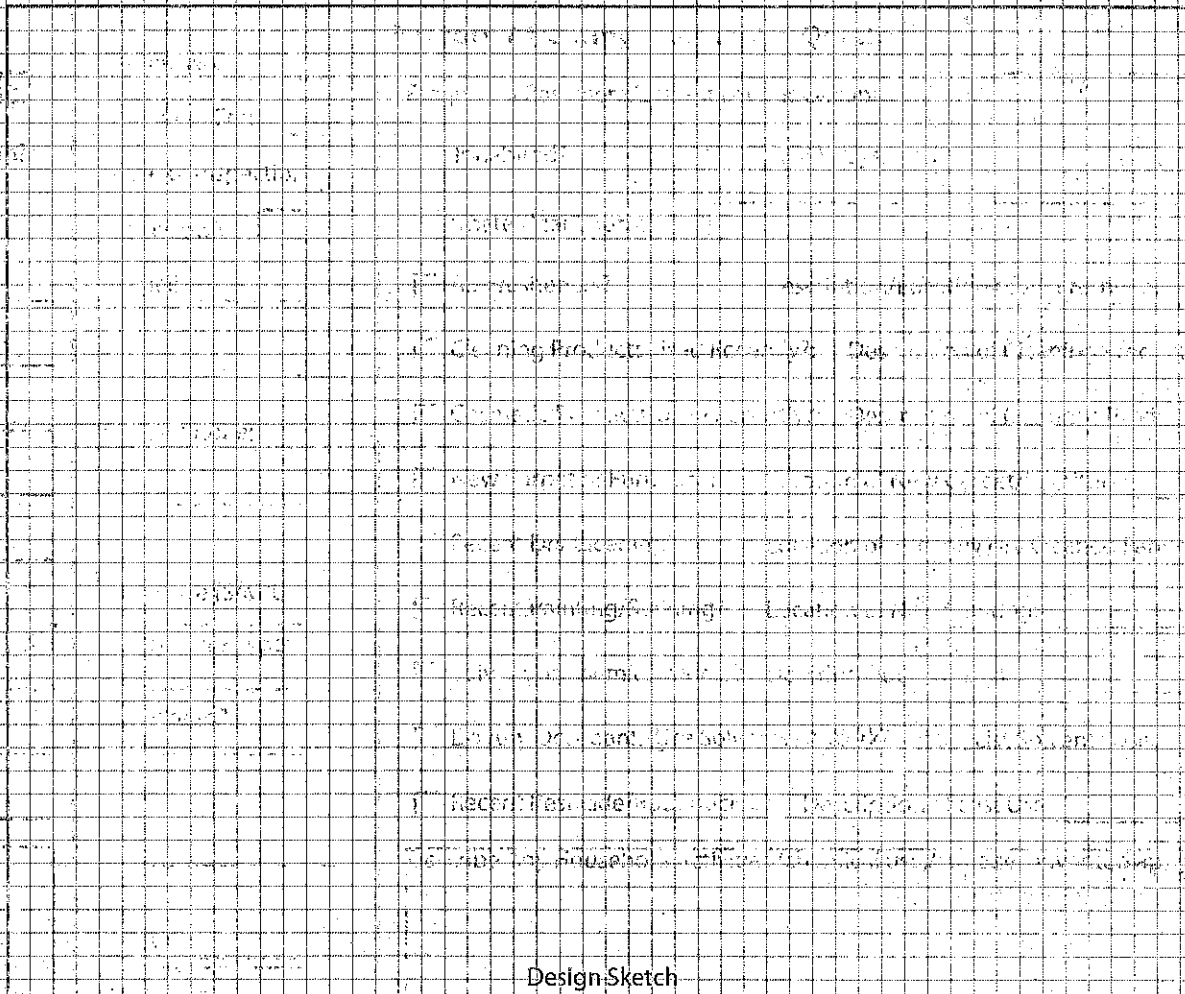


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level.
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|---------------|-------------------|-----------------|--|
| B or F | Boiler or Furnace | O | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | XXXXXX | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ○ SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |

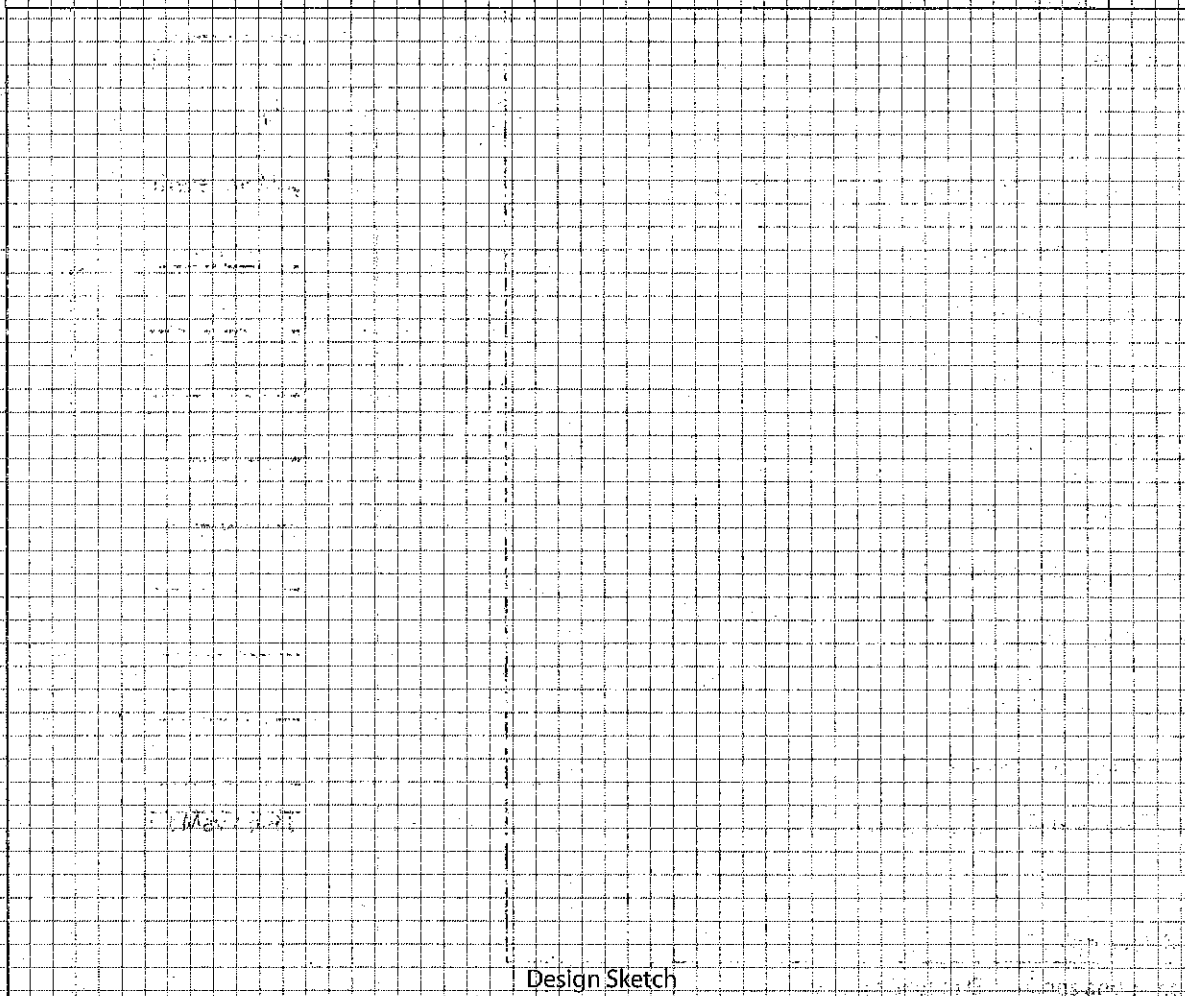


Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch Guidelines and Recommended Symbolology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
 - Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
 - Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
 - Identify the locations of the following features on the layout sketch, using the appropriate symbols:
- | | | | |
|--------|-------------------|----------|--|
| B or F | Boiler or Furnace | o | Other floor or wall penetrations (label appropriately) |
| HW | Hot Water Heater | xxxxxxx | Perimeter Drains (draw inside or outside outer walls as appropriate) |
| FP | Fireplaces | ##### | Areas of broken-up concrete |
| WS | Wood Stoves | ● SS-1 | Location & label of sub-slab samples |
| W/D | Washer / Dryer | ● IA-1 | Location & label of indoor air samples |
| S | Sumps | ● OA-1 | Location & label of outdoor air samples |
| @ | Floor Drains | ● PFET-1 | Location and label of any pressure field test holes. |

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

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

Preparer's Name: Hannah Bedell Date/Time Prepared: 12/12/24

Preparer's Affiliation: EA EST Phone No: 35-730-0872

Purpose of Investigation: SVI Sampling

1. OCCUPANT: Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

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

Interviewed: ☒ Y / N

Last Name: _____ First Name: Dorine

Address: 1450 Erie Blvd. E, Syracuse, NY

County: Onondaga

Home Phone: _____ Cell Phone: _____

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

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

Basement/Lowest level depth below grade: N/A (feet)

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

6. HEATING, VENTING and AIR CONDITIONING

Type of heating system(s) used in this building: (circle all that apply - note Section Not Applicable, No heating or Air Conditioning present in Structure)

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

The primary type of fuel used is:

Natural Gas - Fuel Oil - Kerosene - Electric - Propane - Solar - Wood - Coal

Domestic hot water tank fueled by: _____

Boiler/furnace located in:

Basement - Outdoors - Main Floor - Other _____

7. OCCUPANCY

Is basement/lowest level occupied?

Full-time - Occasionally - Seldom - Almost Never

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

Basement _____

1st Floor Unattached Garage

2nd Floor _____

3rd Floor _____

4th Floor _____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage?

Y / (N)

b. Does the garage have a separate heating unit?

Y / N / (N/A)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car)

(Y) N / N/A

Please specify Excavators, dump trucks, skid steer

d. Has the building ever had a fire?

Y / N When? N/A

e. Is a kerosene or unvented gas space heater present?

Y / N Where? N/A

f. Is there a workshop or hobby/craft area?

Y / N Where & Type? N/A

g. Is there smoking in the building?

Y / N How frequently? N/A

h. Have cleaning products been used recently?

Y / N When & Type? N/A

i. Have cosmetic products been used recently?

Y / N When & Type? N/A

j. Has painting/staining been done in the last 6 months?

Y / N When & Type? N/A

k. Is there new carpet, drapes or other textiles?

Y / N Where & When? N/A

l. Have air fresheners been used recently?

Y / N When & Type? N/A

m. Is there a kitchen exhaust fan?

If yes, where vented? N/A
Y / N

n. Is there a bathroom exhaust fan?

If yes, where vented? N/A
Y / N

o. Is there a clothes dryer?

Y / N If yes, is it vented? N/A

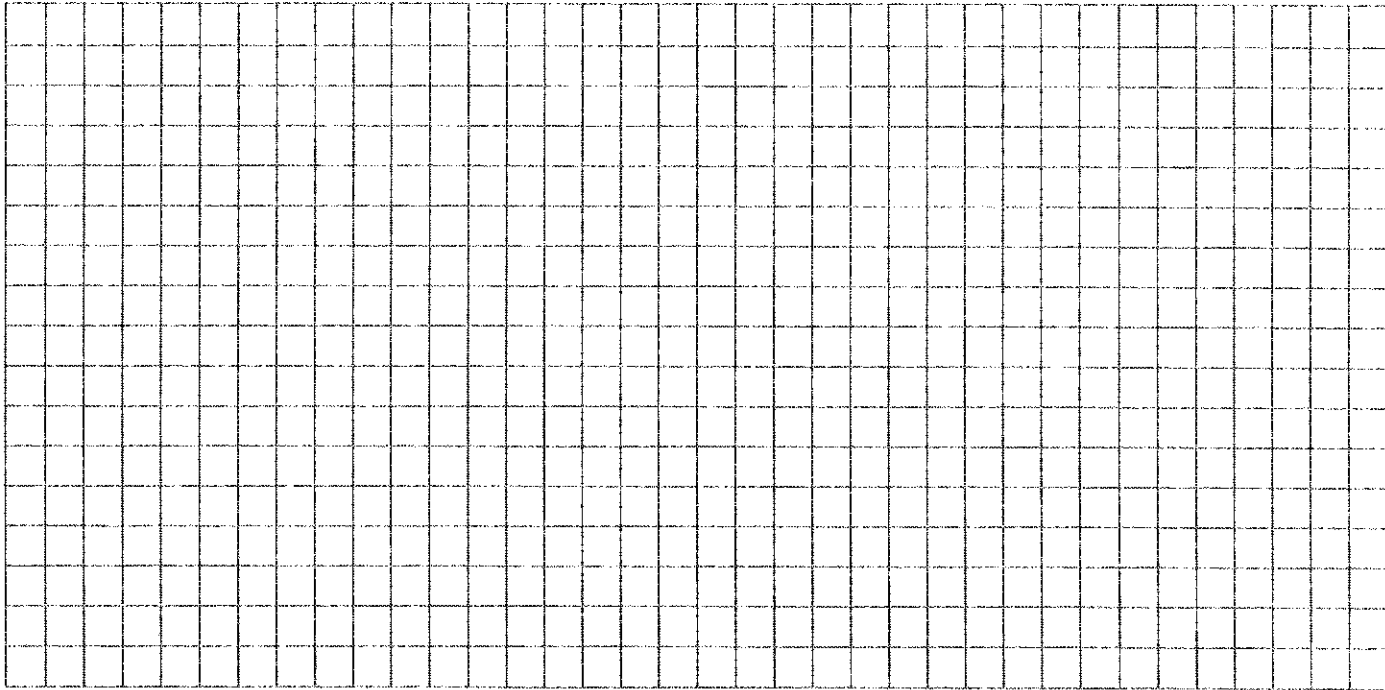
p. Has there been a pesticide application?

Y / N When & Type? N/A

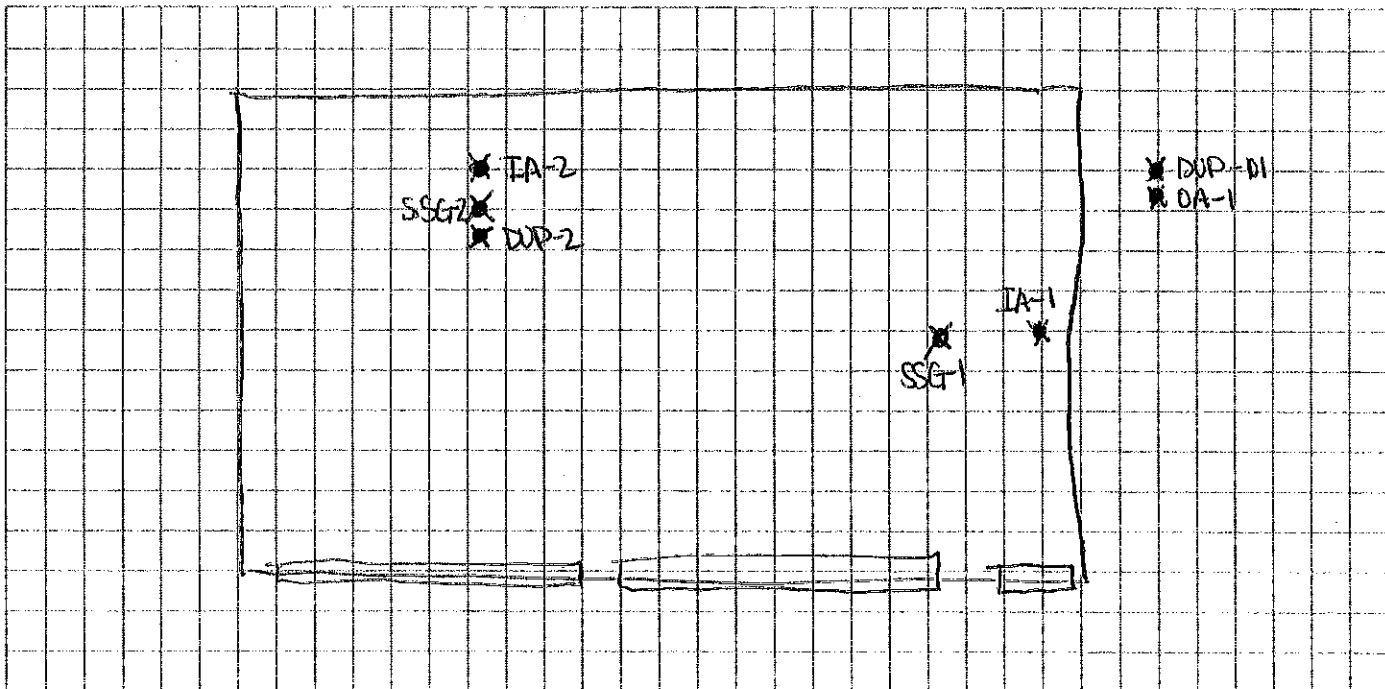
11. FLOOR PLANS

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

Basement:



First Floor:



Make & Model of field instrument used:

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

BTSA\Sections\SIS\Oil Spills\Guidance Docs\Aiproto4.doc

[illegible]

Attachment B

Analytical Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2473732
Client:	NYDEC_EA Engineering Science & Tech 269 W. Jefferson Street Syracuse, NY 13202
ATTN:	Michael Belveg
Phone:	(315) 431-4610
Project Name:	ZIP ZIP MINI MARKET SITE
Project Number:	CO 152101/S B00075
Report Date:	01/06/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NH ELAP (2249).

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



Project Name: ZIP ZIP MINI MARKET SITE

Project Number: CO 152101/S B00075

Lab Number: L2473732

Report Date: 01/06/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473732-01	B00075-SSG-1-20241212	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 16:05	12/13/24
L2473732-02	B00075-IA-1-20241212	AIR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 17:06	12/13/24
L2473732-03	B00075-DUP-01-20241212	AIR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 00:00	12/13/24
L2473732-04	B00075-OA-1-20241212	AIR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 17:01	12/13/24
L2473732-05	B00075-IA-2-20241212	AIR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 16:13	12/13/24
L2473732-06	B00075-SSG-2-20241212	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 16:45	12/13/24
L2473732-07	B00075-DUP-2-20241212	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	12/12/24 00:00	12/13/24
L2473732-08	UNUSED CAN 1588	AIR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA		12/13/24
L2473732-09	UNUSED CAN 1585	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA		12/13/24
L2473732-10	UNUSED CAN 2842	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA		12/13/24
L2473732-11	UNUSED CAN 3057	SOIL_VAPOR	1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA		12/13/24

Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

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 Pace 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 and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet 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, Pace'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 Pace Project Manager and made arrangements for Pace 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: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 4, 2024. The canister certification data is provided as an addendum.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The laboratory transposed the canister ID numbers when putting the ID numbers on the disposable sample tags attached to the canisters. The correct canister ID for L2473732-04 is 1808 and for L2473732-05 it is 1817. The canister IDs are transposed on the CoC due to this error.

L2473732-06: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2473732-06D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2473732-07: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2473732-07D: The sample has elevated detection limits due to the dilution required by the elevated

Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

Case Narrative (continued)

concentrations of target compounds in the sample.

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: 01/06/25

AIR

Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-01
 Client ID: B00075-SSG-1-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 16:05
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/25 23:48
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.413	0.200	0.050	2.04	0.989	0.247		1
Chloromethane	0.094	0.200	0.076	0.194	0.413	0.156	J	1
Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	0.641	0.050	0.009	3.60	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	0.048	0.050	0.008	0.368	0.383	0.064	J	1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.177	0.500	0.132	0.522	1.47	0.389	J	1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.416	0.020	0.007	2.03	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	0.092	0.200	0.047	0.324	0.705	0.166	J	1
1,1,1-Trichloroethane	0.027	0.020	0.006	0.147	0.109	0.032		1
Benzene	0.080	0.100	0.030	0.256	0.319	0.095	J	1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-01

Date Collected: 12/12/24 16:05

Client ID: B00075-SSG-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	0.011	0.020	0.006	0.059	0.107	0.032	J	1
2,2,4-Trimethylpentane	0.039	0.200	0.037	0.182	0.934	0.173	J	1
Heptane	0.065	0.200	0.031	0.266	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.310	0.100	0.017	1.17	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.093	0.020	0.007	0.631	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.028	0.020	0.009	0.122	0.087	0.037		1
p/m-Xylene	0.099	0.040	0.018	0.430	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.044	0.020	0.009	0.191	0.087	0.038		1
1,3,5-Trimethylbenzene	0.011	0.020	0.010	0.054	0.098	0.047	J	1
1,2,4-Trimethylbenzene	0.087	0.020	0.008	0.428	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-01

Date Collected: 12/12/24 16:05

Client ID: B00075-SSG-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	86		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-02
 Client ID: B00075-IA-1-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 17:06
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/25 18:38
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.200	0.050	2.63	0.989	0.247		1
Chloromethane	0.535	0.200	0.076	1.10	0.413	0.156		1
Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	2.48	5.00	1.35	4.67	9.42	2.54	J	1
Trichlorofluoromethane	0.272	0.050	0.009	1.53	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.139	0.500	0.110	0.483	1.74	0.382	J	1
Freon-113	0.084	0.050	0.008	0.644	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.631	0.500	0.132	1.86	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.020	0.020	0.007	0.098	0.098	0.035		1
1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034		1
n-Hexane	0.177	0.200	0.047	0.624	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.321	0.100	0.030	1.03	0.319	0.095		1
Carbon tetrachloride	0.078	0.020	0.011	0.491	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-02

Date Collected: 12/12/24 17:06

Client ID: B00075-IA-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	0.053	0.200	0.031	0.182	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.430	0.200	0.037	2.01	0.934	0.173		1
Heptane	0.119	0.200	0.031	0.488	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	1.28	0.100	0.017	4.82	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.155	0.020	0.009	0.673	0.087	0.037		1
p/m-Xylene	0.496	0.040	0.018	2.15	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.021	0.020	0.008	0.089	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.210	0.020	0.009	0.912	0.087	0.038		1
1,3,5-Trimethylbenzene	0.043	0.020	0.010	0.211	0.098	0.047		1
1,2,4-Trimethylbenzene	0.357	0.020	0.008	1.76	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-02

Date Collected: 12/12/24 17:06

Client ID: B00075-IA-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	0.070	0.050	0.021	0.367	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Project Number:** CO 152101/S B00075**Lab Number:** L2473732**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-03
 Client ID: B00075-DUP-01-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 00:00
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/25 19:16
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.518	0.200	0.050	2.56	0.989	0.247		1
Chloromethane	0.505	0.200	0.076	1.04	0.413	0.156		1
Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.011	0.020	0.009	0.043	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	1.45	5.00	1.35	2.73	9.42	2.54	J	1
Trichlorofluoromethane	0.264	0.050	0.009	1.48	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.136	0.500	0.110	0.472	1.74	0.382	J	1
Freon-113	0.084	0.050	0.008	0.644	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.019	0.020	0.007	0.093	0.098	0.035	J	1
1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.034	J	1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.104	0.100	0.030	0.332	0.319	0.095		1
Carbon tetrachloride	0.078	0.020	0.011	0.491	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-03

Date Collected: 12/12/24 00:00

Client ID: B00075-DUP-01-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.102	0.100	0.017	0.384	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.016	0.020	0.009	0.070	0.087	0.037	J	1
p/m-Xylene	0.042	0.040	0.018	0.182	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.019	0.020	0.009	0.083	0.087	0.038	J	1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.034	0.020	0.008	0.167	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-03

Date Collected: 12/12/24 00:00

Client ID: B00075-DUP-01-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	88		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-04
 Client ID: B00075-OA-1-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 17:01
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/25 17:58
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.535	0.200	0.050	2.65	0.989	0.247		1
Chloromethane	0.531	0.200	0.076	1.10	0.413	0.156		1
Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	1.50	5.00	1.35	2.83	9.42	2.54	J	1
Trichlorofluoromethane	0.264	0.050	0.009	1.48	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.140	0.500	0.110	0.486	1.74	0.382	J	1
Freon-113	0.084	0.050	0.008	0.644	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	1.31	0.500	0.132	3.86	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.018	0.020	0.007	0.088	0.098	0.035	J	1
1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.034	J	1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.104	0.100	0.030	0.332	0.319	0.095		1
Carbon tetrachloride	0.076	0.020	0.011	0.478	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-04

Date Collected: 12/12/24 17:01

Client ID: B00075-OA-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	0.115	0.100	0.017	0.433	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.017	0.020	0.009	0.074	0.087	0.037	J	1
p/m-Xylene	0.048	0.040	0.018	0.208	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.022	0.020	0.009	0.096	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	0.040	0.020	0.008	0.197	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-04

Date Collected: 12/12/24 17:01

Client ID: B00075-OA-1-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

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



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-05
 Client ID: B00075-IA-2-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 16:13
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/25 19:55
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.527	0.200	0.050	2.61	0.989	0.247		1
Chloromethane	0.502	0.200	0.076	1.04	0.413	0.156		1
Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	0.010	0.020	0.009	0.039	0.078	0.037	J	1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	2.43	5.00	1.35	4.58	9.42	2.54	J	1
Trichlorofluoromethane	0.271	0.050	0.009	1.52	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	0.140	0.500	0.110	0.486	1.74	0.382	J	1
Freon-113	0.084	0.050	0.008	0.644	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	0.565	0.500	0.132	1.67	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	0.021	0.020	0.007	0.103	0.098	0.035		1
1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034		1
n-Hexane	0.174	0.200	0.047	0.613	0.705	0.166	J	1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.572	0.100	0.030	1.83	0.319	0.095		1
Carbon tetrachloride	0.077	0.020	0.011	0.484	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-05

Date Collected: 12/12/24 16:13

Client ID: B00075-IA-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	0.056	0.200	0.031	0.193	0.688	0.108	J	1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.431	0.200	0.037	2.01	0.934	0.173		1
Heptane	0.121	0.200	0.031	0.496	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	1.25	0.100	0.017	4.71	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.158	0.020	0.009	0.686	0.087	0.037		1
p/m-Xylene	0.498	0.040	0.018	2.16	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.044	0.020	0.008	0.187	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	0.214	0.020	0.009	0.930	0.087	0.038		1
1,3,5-Trimethylbenzene	0.049	0.020	0.010	0.241	0.098	0.047		1
1,2,4-Trimethylbenzene	0.326	0.020	0.008	1.60	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-05

Date Collected: 12/12/24 16:13

Client ID: B00075-IA-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	0.098	0.050	0.021	0.514	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	90		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-06
 Client ID: B00075-SSG-2-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 16:45
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/25 00:27
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.774	0.200	0.050	3.83	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	0.041	0.100	0.040	0.108	0.264	0.104	J	1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	23.9	0.050	0.009	134	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	0.058	0.050	0.008	0.445	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	0.710	0.200	0.026	2.56	0.721	0.094		1
2-Butanone	1.20	0.500	0.132	3.54	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	111	0.020	0.007	542	0.098	0.035	E	1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	0.305	0.200	0.047	1.07	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.720	0.100	0.030	2.30	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-06

Date Collected: 12/12/24 16:45

Client ID: B00075-SSG-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	0.366	0.200	0.031	1.26	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	0.184	0.020	0.007	1.23	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	0.947	0.200	0.037	4.42	0.934	0.173		1
Heptane	0.191	0.200	0.031	0.783	0.820	0.128	J	1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	4.22	0.100	0.017	15.9	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.204	0.020	0.007	1.38	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.295	0.020	0.009	1.28	0.087	0.037		1
p/m-Xylene	1.99	0.040	0.018	8.64	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.019	0.020	0.008	0.081	0.085	0.034	J	1
1,1,1,2,2-Tetrachloroethane	0.052	0.020	0.007	0.357	0.137	0.046		1
o-Xylene	1.10	0.020	0.009	4.78	0.087	0.038		1
1,3,5-Trimethylbenzene	0.984	0.020	0.010	4.84	0.098	0.047		1
1,2,4-Trimethylbenzene	3.37	0.020	0.008	16.6	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-06

Date Collected: 12/12/24 16:45

Client ID: B00075-SSG-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	1.20	0.050	0.021	6.29	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	84		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	89		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-06 D
 Client ID: B00075-SSG-2-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 16:45
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/25 06:37
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Chloroform	121	0.100	0.036	591	0.488	0.173		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	100		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-07
 Client ID: B00075-DUP-2-20241212
 Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
 ONONDAGA

Date Collected: 12/12/24 00:00
 Date Received: 12/13/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/25 01:06
 Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.761	0.200	0.050	3.76	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	0.021	0.050	0.006	0.147	0.349	0.045	J	1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	0.057	0.100	0.040	0.150	0.264	0.104	J	1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	23.3	0.050	0.009	131	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	0.058	0.050	0.008	0.445	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	0.752	0.200	0.026	2.71	0.721	0.094		1
2-Butanone	1.22	0.500	0.132	3.60	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	109	0.020	0.007	532	0.098	0.035	E	1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	0.338	0.200	0.047	1.19	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	0.764	0.100	0.030	2.44	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-07

Date Collected: 12/12/24 00:00

Client ID: B00075-DUP-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Cyclohexane	0.400	0.200	0.031	1.38	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	0.188	0.020	0.007	1.26	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	1.01	0.200	0.037	4.72	0.934	0.173		1
Heptane	0.201	0.200	0.031	0.824	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	4.42	0.100	0.017	16.7	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	0.212	0.020	0.007	1.44	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	0.321	0.020	0.009	1.39	0.087	0.037		1
p/m-Xylene	2.16	0.040	0.018	9.38	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	0.020	0.020	0.008	0.085	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	0.056	0.020	0.007	0.385	0.137	0.046		1
o-Xylene	1.22	0.020	0.009	5.30	0.087	0.038		1
1,3,5-Trimethylbenzene	1.02	0.020	0.010	5.01	0.098	0.047		1
1,2,4-Trimethylbenzene	3.34	0.020	0.008	16.4	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-07

Date Collected: 12/12/24 00:00

Client ID: B00075-DUP-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	0.834	0.050	0.021	4.37	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	103		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**SAMPLE RESULTS**

Lab ID: L2473732-07 D

Date Collected: 12/12/24 00:00

Client ID: B00075-DUP-2-20241212

Date Received: 12/13/24

Sample Location: 1410 ERIE BOULEVARD EAST, SYRACUSE,
ONONDAGA

Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/03/25 07:12

Analyst: TPH

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Chloroform	123	0.100	0.036	601	0.488	0.173		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	96		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/02/25 14:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG2015800-4								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Ethanol	ND	5.00	1.35	ND	9.42	2.54		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
n-Hexane	ND	0.200	0.047	ND	0.705	0.166		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1
Cyclohexane	ND	0.200	0.031	ND	0.688	0.108		1
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/02/25 14:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG2015800-4								
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173		1
Heptane	ND	0.200	0.031	ND	0.820	0.128		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/02/25 14:44

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG2015800-4								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1



Lab Control Sample Analysis **Batch Quality Control**

Project Name: ZIP ZIP MINI MARKET SITE

Lab Number: L2473732

Project Number: CO 152101/S B00075

Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG2015800-3								
Dichlorodifluoromethane	124		-		70-130	-		25
Chloromethane	103		-		70-130	-		25
Freon-114	134	Q	-		70-130	-		25
Vinyl chloride	112		-		70-130	-		25
Bromomethane	129		-		70-130	-		25
Chloroethane	112		-		70-130	-		25
Ethanol	93		-		40-160	-		25
Trichlorofluoromethane	119		-		70-130	-		25
1,1-Dichloroethene	104		-		70-130	-		25
Tert-Butyl Alcohol ¹	99		-		70-130	-		25
Methylene chloride	103		-		70-130	-		25
Freon-113	111		-		70-130	-		25
trans-1,2-Dichloroethene	94		-		70-130	-		25
1,1-Dichloroethane	97		-		70-130	-		25
Methyl tert butyl ether	97		-		70-130	-		25
2-Butanone	92		-		70-130	-		25
cis-1,2-Dichloroethene	93		-		70-130	-		25
Chloroform	105		-		70-130	-		25
1,2-Dichloroethane	99		-		70-130	-		25
n-Hexane	84		-		70-130	-		25
1,1,1-Trichloroethane	95		-		70-130	-		25
Benzene	83		-		70-130	-		25
Carbon tetrachloride	95		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ZIP ZIP MINI MARKET SITE

Project Number: CO 152101/S B00075

Lab Number: L2473732

Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG2015800-3								
Cyclohexane	81		-		70-130	-		25
1,2-Dichloropropane	78		-		70-130	-		25
Bromodichloromethane	91		-		70-130	-		25
1,4-Dioxane	94		-		70-130	-		25
Trichloroethene	91		-		70-130	-		25
2,2,4-Trimethylpentane	86		-		70-130	-		25
Heptane	80		-		70-130	-		25
cis-1,3-Dichloropropene	84		-		70-130	-		25
4-Methyl-2-pentanone	82		-		70-130	-		25
trans-1,3-Dichloropropene	89		-		70-130	-		25
1,1,2-Trichloroethane	92		-		70-130	-		25
Toluene	98		-		70-130	-		25
Dibromochloromethane	114		-		70-130	-		25
1,2-Dibromoethane	105		-		70-130	-		25
Tetrachloroethene	109		-		70-130	-		25
Chlorobenzene	105		-		70-130	-		25
Ethylbenzene	96		-		70-130	-		25
p/m-Xylene	102		-		70-130	-		25
Bromoform	122		-		70-130	-		25
Styrene	101		-		70-130	-		25
1,1,2,2-Tetrachloroethane	102		-		70-130	-		25
o-Xylene	99		-		70-130	-		25
1,3,5-Trimethylbenzene	75		-		70-130	-		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ZIP ZIP MINI MARKET SITE

Project Number: CO 152101/S B00075

Lab Number: L2473732

Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG2015800-3								
1,2,4-Trimethylbenzene	103		-		70-130	-		25
Benzyl chloride	96		-		70-130	-		25
1,3-Dichlorobenzene	114		-		70-130	-		25
1,4-Dichlorobenzene	114		-		70-130	-		25
1,2-Dichlorobenzene	108		-		70-130	-		25
1,2,4-Trichlorobenzene	123		-		70-130	-		25
Naphthalene	124		-		70-130	-		25
Hexachlorobutadiene	120		-		70-130	-		25

Project Name: ZIP ZIP MINI MARKET SITE

Serial_No:01062514:36
Lab Number: L2473732

Project Number: CO 152101/S B00075

Report Date: 01/06/25

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	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473732-01	B00075-SSG-1-20241212	01510	Flow 4	12/04/24	494874		-	-	-	Pass	10.1	10.8	7
L2473732-01	B00075-SSG-1-20241212	624	6.0L Can	12/04/24	494874	L2470403-02	Pass	-29.7	-2.8	-	-	-	-
L2473732-02	B00075-IA-1-20241212	01249	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.3	3
L2473732-02	B00075-IA-1-20241212	1799	6.0L Can	12/04/24	494874	L2470226-05	Pass	-29.7	-5.5	-	-	-	-
L2473732-03	B00075-DUP-01-20241212	01787	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.5	5
L2473732-03	B00075-DUP-01-20241212	746	6.0L Can	12/04/24	494874	L2470403-04	Pass	-29.7	-3.6	-	-	-	-
L2473732-04	B00075-OA-1-20241212	02479	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.2	2
L2473732-04	B00075-OA-1-20241212	1808	6.0L Can	12/04/24	494874	L2469932-09	Pass	-29.7	-2.6	-	-	-	-
L2473732-05	B00075-IA-2-20241212	01047	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.1	1
L2473732-05	B00075-IA-2-20241212	1817	6.0L Can	12/04/24	494874	L2470403-05	Pass	-29.7	-3.3	-	-	-	-
L2473732-06	B00075-SSG-2-20241212	0556	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.8	8
L2473732-06	B00075-SSG-2-20241212	1542	6.0L Can	12/04/24	494874	L2469932-04	Pass	-29.7	-3.2	-	-	-	-
L2473732-07	B00075-DUP-2-20241212	01530	Flow 4	12/04/24	494874		-	-	-	Pass	10.0	10.8	8
L2473732-07	B00075-DUP-2-20241212	2776	6.0L Can	12/04/24	494874	L2470403-08	Pass	-29.7	-4.1	-	-	-	-
L2473732-08	UNUSED CAN 1588	0449	Flow 1	12/04/24	494874		-	-	-	Pass	39.6	41.7	5

Project Name: ZIP ZIP MINI MARKET SITE

Lab Number: Serial_No:01062514:36
L2473732

Project Number: CO 152101/S B00075

Report Date: 01/06/25

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	Flow Controller Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473732-08	UNUSED CAN 1588	1585	6.0L Can	12/04/24	494874	L2470411-03	Pass	-29.7	-29.7	-	-	-	-
L2473732-09	UNUSED CAN 1585	01769	Flow 1	12/04/24	494874		-	-	-	Pass	40.4	43.3	7
L2473732-09	UNUSED CAN 1585	1588	6.0L Can	12/04/24	494874	L2470226-06	Pass	-29.7	-29.6	-	-	-	-
L2473732-10	UNUSED CAN 2842	02490	Flow 1	12/04/24	494874		-	-	-	Pass	40.4	3.7	166
L2473732-10	UNUSED CAN 2842	2842	6.0L Can	12/04/24	494874	L2470403-07	Pass	-28.8	-28.7	-	-	-	-
L2473732-11	UNUSED CAN 3057	01612	Flow 4	12/04/24	494874		-	-	-	Pass	10.1	10.2	1
L2473732-11	UNUSED CAN 3057	3057	6.0L Can	12/04/24	494874	L2470403-01	Pass	-29.2	-29.0	-	-	-	-

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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
Client ID: CAN 1542 SHELF 41
Sample Location:

Date Collected: 11/26/24 16:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/27/24 23:16
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
Client ID: CAN 1542 SHELF 41
Sample Location:

Date Collected: 11/26/24 16:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
Client ID: CAN 1542 SHELF 41
Sample Location:

Date Collected: 11/26/24 16:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
Client ID: CAN 1542 SHELF 41
Sample Location:

Date Collected: 11/26/24 16:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
 Client ID: CAN 1542 SHELF 41
 Sample Location:

Date Collected: 11/26/24 16:00
 Date Received: 11/27/24
 Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-04
Client ID: CAN 1542 SHELF 41
Sample Location:

Date Collected: 11/26/24 16:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 23:16
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2469932**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2469932-04

Date Collected: 11/26/24 16:00

Client ID: CAN 1542 SHELF 41

Date Received: 11/27/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2469932**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2469932-04

Date Collected: 11/26/24 16:00

Client ID: CAN 1542 SHELF 41

Date Received: 11/27/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-09
Client ID: CAN 1808 SHELF 52
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/28/24 02:31
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-09
Client ID: CAN 1808 SHELF 52
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2469932**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2469932-09

Date Collected: 11/27/24 11:00

Client ID: CAN 1808 SHELF 52

Date Received: 11/27/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-09
Client ID: CAN 1808 SHELF 52
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2469932**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2469932-09

Date Collected: 11/27/24 11:00

Client ID: CAN 1808 SHELF 52

Date Received: 11/27/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-09
Client ID: CAN 1808 SHELF 52
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/28/24 02:31
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



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

Lab Number: L2469932
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469932-09
Client ID: CAN 1808 SHELF 52
Sample Location:

Date Collected: 11/27/24 11:00
Date Received: 11/27/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2469932**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2469932-09

Date Collected: 11/27/24 11:00

Client ID: CAN 1808 SHELF 52

Date Received: 11/27/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-05
Client ID: CAN 1799 SHELF 57
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/02/24 20:15
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-05
Client ID: CAN 1799 SHELF 57
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-05

Date Collected: 11/30/24 07:00

Client ID: CAN 1799 SHELF 57

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-05

Date Collected: 11/30/24 07:00

Client ID: CAN 1799 SHELF 57

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-05

Date Collected: 11/30/24 07:00

Client ID: CAN 1799 SHELF 57

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-05
Client ID: CAN 1799 SHELF 57
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/02/24 20:15
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-05
Client ID: CAN 1799 SHELF 57
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-05

Date Collected: 11/30/24 07:00

Client ID: CAN 1799 SHELF 57

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-06
Client ID: CAN 1588 SHELF 58
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/02/24 20:54
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-06
Client ID: CAN 1588 SHELF 58
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-06

Date Collected: 11/30/24 07:00

Client ID: CAN 1588 SHELF 58

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-06

Date Collected: 11/30/24 07:00

Client ID: CAN 1588 SHELF 58

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-06
 Client ID: CAN 1588 SHELF 58
 Sample Location:

Date Collected: 11/30/24 07:00
 Date Received: 11/30/24
 Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-06
Client ID: CAN 1588 SHELF 58
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/02/24 20:54
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



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

Lab Number: L2470226
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470226-06
Client ID: CAN 1588 SHELF 58
Sample Location:

Date Collected: 11/30/24 07:00
Date Received: 11/30/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470226**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470226-06

Date Collected: 11/30/24 07:00

Client ID: CAN 1588 SHELF 58

Date Received: 11/30/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-01
Client ID: 3057
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/03/24 04:20
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Date Collected: 12/02/24 12:00

Client ID: 3057

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/03/24 04:20

Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-01

Client ID: 3057

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Client ID: 624

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/03/24 04:59

Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Client ID: 624

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Client ID: 624

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Client ID: 624

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Date Collected: 12/02/24 12:00

Client ID: 624

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.5	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-02
Client ID: 624
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 04:59
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-02
Client ID: 624
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-02

Client ID: 624

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-04
Client ID: 746
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/03/24 00:27
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 12/03/24 00:27

Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-04
Client ID: 746
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-04

Client ID: 746

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-05
Client ID: 1817
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/03/24 06:17
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-05
Client ID: 1817
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-05

Client ID: 1817

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-05

Client ID: 1817

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-05

Client ID: 1817

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-05
Client ID: 1817
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 06:17
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-05

Client ID: 1817

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-05

Client ID: 1817

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/03/24 07:34

Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Date Collected: 12/02/24 12:00

Client ID: 2842

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.5	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-07
Client ID: 2842
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 07:34
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-07

Client ID: 2842

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Client ID: 2776

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 12/03/24 08:13

Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Client ID: 2776

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, Total	ND	0.200	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	0.200	0.060	ND	0.793	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Client ID: 2776

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Client ID: 2776

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Date Collected: 12/02/24 12:00

Client ID: 2776

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-08
Client ID: 2776
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 08:13
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L2470403**Project Number:** CANISTER QC INDIV**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470403-08

Client ID: 2776

Sample Location:

Date Collected: 12/02/24 12:00

Date Received: 12/02/24

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L2470403
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470403-08
Client ID: 2776
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	89		60-140



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

Lab Number: L2470411
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470411-03
Client ID: CAN 1585 SHELF 84
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 12/03/24 02:24
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.046	ND	0.707	0.164		1
Propylene	ND	0.500	0.135	ND	0.861	0.232		1
Propane	ND	0.500	0.152	ND	0.902	0.274		1
Dichlorodifluoromethane	ND	0.200	0.076	ND	0.989	0.374		1
Chloromethane	ND	0.200	0.058	ND	0.413	0.119		1
Freon-114	ND	0.200	0.050	ND	1.40	0.352		1
Methanol	ND	5.00	3.03	ND	6.55	3.97		1
Vinyl chloride	ND	0.200	0.058	ND	0.511	0.149		1
1,3-Butadiene	ND	0.200	0.062	ND	0.442	0.137		1
Butane	ND	0.200	0.080	ND	0.475	0.190		1
Bromomethane	ND	0.200	0.055	ND	0.777	0.212		1
Chloroethane	ND	0.200	0.065	ND	0.528	0.171		1
Ethanol	ND	5.00	1.74	ND	9.42	3.28		1
Dichlorofluoromethane	ND	0.200	0.112	ND	0.842	0.471		1
Vinyl bromide	ND	0.200	0.072	ND	0.874	0.316		1
Acrolein	ND	0.500	0.149	ND	1.15	0.342		1
Acetone	ND	1.00	0.515	ND	2.38	1.22		1
Acetonitrile	ND	0.200	0.101	ND	0.336	0.170		1
Trichlorofluoromethane	ND	0.200	0.079	ND	1.12	0.442		1
Isopropanol	ND	0.500	0.272	ND	1.23	0.669		1
Acrylonitrile	ND	0.500	0.089	ND	1.09	0.194		1
Pentane	ND	0.200	0.113	ND	0.590	0.333		1
Ethyl ether	ND	0.200	0.085	ND	0.606	0.259		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.225		1



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

Lab Number: L2470411
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470411-03
Client ID: CAN 1585 SHELF 84
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	0.132	ND	1.52	0.400		1
Methylene chloride	ND	0.500	0.125	ND	1.74	0.434		1
3-Chloropropene	ND	0.200	0.086	ND	0.626	0.269		1
Carbon disulfide	ND	0.200	0.047	ND	0.623	0.145		1
Freon-113	ND	0.200	0.051	ND	1.53	0.388		1
trans-1,2-Dichloroethene	ND	0.200	0.076	ND	0.793	0.299		1
1,1-Dichloroethane	ND	0.200	0.057	ND	0.809	0.230		1
Methyl tert butyl ether	ND	0.200	0.045	ND	0.721	0.162		1
Vinyl acetate	ND	1.00	0.323	ND	3.52	1.14		1
Xylenes, total	ND	0.600	0.062	ND	0.869	0.270		1
2-Butanone	ND	0.500	0.099	ND	1.47	0.292		1
cis-1,2-Dichloroethene	ND	0.200	0.060	ND	0.793	0.236		1
Ethyl Acetate	ND	0.500	0.297	ND	1.80	1.07		1
Chloroform	ND	0.200	0.055	ND	0.977	0.270		1
Tetrahydrofuran	ND	0.500	0.117	ND	1.47	0.345		1
2,2-Dichloropropane	ND	0.200	0.043	ND	0.924	0.198		1
1,2-Dichloroethane	ND	0.200	0.079	ND	0.809	0.319		1
n-Hexane	ND	0.200	0.074	ND	0.705	0.262		1
Diisopropyl ether	ND	0.200	0.063	ND	0.836	0.264		1
tert-Butyl Ethyl Ether	ND	0.200	0.073	ND	0.836	0.306		1
1,2-Dichloroethene (total)	ND	1.00	0.060	ND	1.00	0.236		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.335		1
1,1-Dichloropropene	ND	0.200	0.059	ND	0.908	0.269		1
Benzene	ND	0.200	0.064	ND	0.639	0.205		1
Carbon tetrachloride	ND	0.200	0.069	ND	1.26	0.432		1
Cyclohexane	ND	0.200	0.073	ND	0.688	0.251		1
tert-Amyl Methyl Ether	ND	0.200	0.067	ND	0.836	0.281		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470411**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470411-03

Date Collected: 12/02/24 12:00

Client ID: CAN 1585 SHELF 84

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	0.060	ND	1.42	0.425		1
1,2-Dichloropropane	ND	0.200	0.063	ND	0.924	0.292		1
Bromodichloromethane	ND	0.200	0.069	ND	1.34	0.462		1
1,4-Dioxane	ND	0.200	0.054	ND	0.721	0.194		1
Trichloroethene	ND	0.200	0.055	ND	1.07	0.295		1
2,2,4-Trimethylpentane	ND	0.200	0.069	ND	0.934	0.323		1
Methyl Methacrylate	ND	0.500	0.226	ND	2.05	0.925		1
Heptane	ND	0.200	0.083	ND	0.820	0.339		1
cis-1,3-Dichloropropene	ND	0.200	0.067	ND	0.908	0.306		1
4-Methyl-2-pentanone	ND	0.500	0.190	ND	2.05	0.779		1
trans-1,3-Dichloropropene	ND	0.200	0.078	ND	0.908	0.355		1
1,1,2-Trichloroethane	ND	0.200	0.058	ND	1.09	0.318		1
Toluene	ND	0.200	0.087	ND	0.754	0.327		1
1,3-Dichloropropane	ND	0.200	0.054	ND	0.924	0.248		1
2-Hexanone	ND	0.200	0.091	ND	0.820	0.374		1
Dibromochloromethane	ND	0.200	0.057	ND	1.70	0.482		1
1,2-Dibromoethane	ND	0.200	0.054	ND	1.54	0.418		1
Butyl acetate	ND	0.500	0.208	ND	2.38	0.989		1
Octane	ND	0.200	0.068	ND	0.934	0.316		1
Tetrachloroethene	ND	0.200	0.063	ND	1.36	0.425		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.051	ND	1.37	0.349		1
Chlorobenzene	ND	0.200	0.052	ND	0.921	0.238		1
Ethylbenzene	ND	0.200	0.058	ND	0.869	0.250		1
p/m-Xylene	ND	0.400	0.125	ND	1.74	0.543		1
Bromoform	ND	0.200	0.060	ND	2.07	0.616		1
Styrene	ND	0.200	0.060	ND	0.852	0.254		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.052	ND	1.37	0.357		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470411**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470411-03

Date Collected: 12/02/24 12:00

Client ID: CAN 1585 SHELF 84

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	0.062	ND	0.869	0.270		1
1,2,3-Trichloropropane	ND	0.200	0.058	ND	1.21	0.347		1
Nonane	ND	0.200	0.074	ND	1.05	0.387		1
Isopropylbenzene	ND	0.200	0.062	ND	0.983	0.305		1
Bromobenzene	ND	0.200	0.058	ND	0.793	0.230		1
2-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
n-Propylbenzene	ND	0.200	0.063	ND	0.983	0.311		1
4-Chlorotoluene	ND	0.200	0.077	ND	1.04	0.396		1
4-Ethyltoluene	ND	0.200	0.055	ND	0.983	0.272		1
1,3,5-Trimethylbenzene	ND	0.200	0.060	ND	0.983	0.295		1
tert-Butylbenzene	ND	0.200	0.055	ND	1.10	0.302		1
1,2,4-Trimethylbenzene	ND	0.200	0.058	ND	0.983	0.284		1
Decane	ND	0.200	0.070	ND	1.16	0.406		1
Benzyl chloride	ND	0.200	0.094	ND	1.04	0.486		1
1,3-Dichlorobenzene	ND	0.200	0.078	ND	1.20	0.467		1
1,4-Dichlorobenzene	ND	0.200	0.083	ND	1.20	0.497		1
sec-Butylbenzene	ND	0.200	0.055	ND	1.10	0.300		1
p-Isopropyltoluene	ND	0.200	0.057	ND	1.10	0.311		1
1,2-Dichlorobenzene	ND	0.200	0.062	ND	1.20	0.372		1
n-Butylbenzene	ND	0.200	0.054	ND	1.10	0.294		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.062	ND	1.93	0.603		1
Undecane	ND	0.200	0.071	ND	1.28	0.453		1
Dodecane	ND	0.200	0.089	ND	1.39	0.621		1
1,2,4-Trichlorobenzene	ND	0.200	0.100	ND	1.48	0.742		1
Naphthalene	ND	0.200	0.078	ND	1.05	0.409		1
1,2,3-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.548		1
Hexachlorobutadiene	ND	0.200	0.061	ND	2.13	0.647		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470411**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470411-03

Date Collected: 12/02/24 12:00

Client ID: CAN 1585 SHELF 84

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



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

Lab Number: L2470411
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2470411-03
Client ID: CAN 1585 SHELF 84
Sample Location:

Date Collected: 12/02/24 12:00
Date Received: 12/02/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 12/03/24 02:24
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	0.050	ND	0.989	0.247		1
Chloromethane	ND	0.200	0.076	ND	0.413	0.156		1
Freon-114	ND	0.050	0.006	ND	0.349	0.045		1
Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023		1
1,3-Butadiene	ND	0.020	0.011	ND	0.044	0.024		1
Bromomethane	ND	0.020	0.009	ND	0.078	0.037		1
Chloroethane	ND	0.100	0.040	ND	0.264	0.104		1
Acrolein	ND	0.050	0.039	ND	0.115	0.089		1
Acetone	ND	1.00	0.539	ND	2.38	1.28		1
Trichlorofluoromethane	ND	0.050	0.009	ND	0.281	0.052		1
Acrylonitrile	ND	0.500	0.162	ND	1.09	0.352		1
1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031		1
Methylene chloride	ND	0.500	0.110	ND	1.74	0.382		1
Freon-113	ND	0.050	0.008	ND	0.383	0.064		1
trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036		1
1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035		1
Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094		1
2-Butanone	ND	0.500	0.132	ND	1.47	0.389		1
cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040		1
Chloroform	ND	0.020	0.007	ND	0.098	0.035		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034		1
1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032		1
Benzene	ND	0.100	0.030	ND	0.319	0.095		1
Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470411**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470411-03

Date Collected: 12/02/24 12:00

Client ID: CAN 1585 SHELF 84

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038		1
Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050		1
1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124		1
Trichloroethene	ND	0.020	0.006	ND	0.107	0.032		1
cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054		1
4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783		1
trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053		1
Toluene	ND	0.100	0.017	ND	0.377	0.063		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070		1
Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119		1
Ethylbenzene	ND	0.020	0.009	ND	0.087	0.037		1
p/m-Xylene	ND	0.040	0.018	ND	0.174	0.078		1
Bromoform	ND	0.020	0.011	ND	0.207	0.115		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046		1
o-Xylene	ND	0.020	0.009	ND	0.087	0.038		1
Isopropylbenzene	ND	0.200	0.030	ND	0.983	0.147		1
4-Ethyltoluene	ND	0.020	0.010	ND	0.098	0.049		1
1,3,5-Trimethybenzene	ND	0.020	0.010	ND	0.098	0.047		1
1,2,4-Trimethylbenzene	ND	0.020	0.008	ND	0.098	0.037		1
Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172		1
1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2470411**Project Number:** CANISTER QC BAT**Report Date:** 01/06/25**Air Canister Certification Results**

Lab ID: L2470411-03

Date Collected: 12/02/24 12:00

Client ID: CAN 1585 SHELF 84

Date Received: 12/02/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
sec-Butylbenzene	ND	0.200	0.027	ND	1.10	0.146		1
p-Isopropyltoluene	ND	0.200	0.037	ND	1.10	0.201		1
1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037		1
n-Butylbenzene	ND	0.200	0.032	ND	1.10	0.175		1
1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108		1
Naphthalene	ND	0.050	0.021	ND	0.262	0.110		1
1,2,3-Trichlorobenzene	ND	0.050	0.022	ND	0.371	0.166		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: ZIP ZIP MINI MARKET SITE**Lab Number:** L2473732**Project Number:** CO 152101/S B00075**Report Date:** 01/06/25**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473732-01A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-02A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-03A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-04A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-05A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-06A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-07A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		NYDEC-TO15-SIM(30)
L2473732-08A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2473732-09A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2473732-10A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2473732-11A	Canister - 6L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

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: DU Report with 'J' Qualifiers



Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: ZIP ZIP MINI MARKET SITE
Project Number: CO 152101/S B00075

Lab Number: L2473732
Report Date: 01/06/25

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

Pace Analytical Services 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 Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services 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 Pace Analytical Services.

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.



Pace Analytical Services LLCFacility: **Northeast**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **23**Published Date: **12/09/2024**Page **1** of **1****Certification Information**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B**Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048****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.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

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

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048****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 Project Manager.

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

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

Client Information

Client: EA Engineering
Address: 333 W. Washington St.
Syracuse, NY 13202
Phone: (860) 309-3837

Fax:

Email: ecummings@eaest.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: Zip-Zip Mini Mart
Project Location: Syracuse, NY
Project #: FA: 1602532 NYSDEC: B00075
Project Manager: Emily Cummings
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Time:

Date Rec'd in Lab:

12-14-24

Report Information - Data Deliverables

☐ FAX☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)☒ Additional Deliverables:

Report to: (if different than Project Manager)

cat B deliverables/EQUIS
ecummings@eaest.com
valery.young@eaest.com

ALPHA Job #: L2473732

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Substituted Non-Hydrocarbon HCs
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gas	Sulfides & Mercaptans	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
73732 -01	B00075-SSG-1-20241212	12/12/24	09:00	1605	-30.23	-4.75	SV	HB	6L	624	01510	X						
-02	B00075-IA-1-20241212	12/12/24	0900	1706	-30.05	-7.52	AA	HB		1799	02449	X						
-03	B00075-DUP-01-20241212	12/12/24	—	—	-30.17	-4.79	AA	HB		746	01787	X						
-04	B00075-0A-1-20241212	12/12/24	0904	1701	-29.99	-4.82	AA	HB		1817	02479	X						
-05	B00075-IA-2-20241212	12/12/24	0854	1613	-27.60	-5.00	AA	HB		1808	01047	X						
-06	B00075-SSG-2-20241212	12/12/24	0850	1645	-29.98	-4.98	SV	HB		1542	0556	X						
-07	B00075-DUP-2-20241212	12/12/24	—	—	-30.53	-5.97	SV	HB	↓	2776	01530	X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

CSCS

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:

12-14-24 0830
Handwritten signature
12/14/24 0630
Handwritten signature

Attachment C

Chemical Inventory

CHEMICAL INVENTORY**Make and Model of Field Instrument Used: PID-Honeywell MiniRAE 3000+**

Location	Product Description	Size (Units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photograph
DBR Storage Barn	Deisel 911 (15)	32 fl. oz	Used	Ethylbenzene, 1,2,4 trimethylbenzene,	0.0	1a, 1b
DBR Storage Barn	Propane (11)	20 lb.	Used	Propane	0.0	2a, 2b
DBR Storage Barn	Ameri-Pure R410A Refrigerant	25 lb.	Unopened	Pentafluoro ethane, Difluoromethane	0.0	3
DBR Storage Barn	AMBRA Hydraulic Transmission Oil	5 gal	Used	Benzenesulfonic acid; methyl-, mono-C20-24 branched alkyl dervis; 2,6-ditert-butyl-p-cresol	0.0	4
DBR Storage Barn	AW 32 Hydraulic Fluid	5 gal	Used	Petroleum, Distillates (Petroleum), Hydrotreated Light Paraffinic	0.0	5
DBR Storage Barn	Chevron 400 XLE SAE 10W-30 Engine Oil (2)	5 gal	Used	Distillates, Hydrotreated Heavy Paraffinic, Lubricating Oils, Petroleum, C20-50, Hydrotreated Neutral Oil-based	0.0	6
DBR Storage Barn	Chevron Hydraulic Oil AW 46	5 gal	Used	Lubricating oils, Petroleum, C20-50, Hydrotreated Neutral Oil-based	0.0	7
DBR Storage Barn	Hyundai AW-Hydraulic Fluid ISO 46	5 gal	Used	Distillates (petroleum) , Solvent-dewaxed Heavy Paraffinic	0.0	8
DBR Storage Barn	NAPA AW-46 Hydraulic Oil	5 gal	Used	Petroleum distillates, Hydrotreated Heavy Paraffinic, Severely Hydrotreated Heavy Naphthenic Petroleum Oil	0.0	9

CHEMICAL INVENTORY**Make and Model of Field Instrument Used: PID-Honeywell MiniRAE 3000+**

Location	Product Description	Size (Units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photograph
DBR Storage Barn	AMBRA Mastergold Engine Oil 15W-40 CJ-4	5 gal	Used	Mineral Oil	0.0	10
DBR Storage Barn	ChemPlug fast Setting Hydraulic Cement	50 lb.	Used	Crystalline Silica in the form of Quartz, Calcium Magnesium Hydroxide	0.1	11
DBR Storage Barn	HARDCAST Water Based Duct Sealant	1 gal	Used	Methanol, Aluminum Trihydroxide	0.1	12
DBR Storage Barn	Kaufman Quick Set Hydraulic Cement	50 lb.	Used	Calcium Compounds, Alumina	0.1	13
DBR Storage Barn	HURCO Tech. Inc. LiquidSmoke	5 gal	Used	Hydrotreated Middle Distillate	0.0	14
DBR Storage Barn	Empty Diesel Tanks (3)	5 gal	Used	Diesel Fuel	4.9	15a, 15b
DBR Storage Barn	Hercules PVC and CPVC Primer	16 oz	Deteriorated	Acetone, Cyclohexanone, Tetrahydrofuran, Methyl ethyl ketone	0.0	16
DBR Storage Barn	Hercules PVC Primer	32 oz	Deteriorated	Tetrahydrofuran, Methyl ethyl Ketone, Cyclohexanone, Acetone	0.0	16
DBR Storage Barn	TRQ Non-Chlorinated Brake Cleaner	13 oz	Unopened	Acetone 67-34-1, Methane, Toluene 108-88-3, Carbon Dioxide 124-38-9	0.0	17a, 17b

CHEMICAL INVENTORY**Make and Model of Field Instrument Used: PID-Honeywell MiniRAE 3000+**

Location	Product Description	Size (Units)	Condition	Chemical Ingredients	Field Instrument Reading (ppm)	Photograph
DBR Storage Barn	Silaramic Brake System Grease	5 oz	Unopened	Polydimethylsiloxane, Talc, Amorphous Fumed Silica, Distillates (Petroleum), Hydrotreated Heavy Naphthenic	0.0	18a, 18b
DBR Storage Barn	Fire Extinguisher (6)	Various Sizes	Unopened	Mono-ammonium phosphate, Ammonium sulfate, Attapulgit clay	0.0	19
DBR Storage Barn	Dexron III and Mercon Transmission Fluid	946 mL	Used	Alkyl phosphites	0.0	20a, 20b
DBR Storage Barn	NAPA RV and Marine Antifreeze (3)	1 gal	Used	Propylene glycol, Glycerol, Dipotassium hydrogen phosphate	0.0	21
DBR Storage Barn	Kirkland SAE 5W-30 Motor Oil	4.73 L	Used	Ingredients not listed; SDS not available online	0.0	22
DBR Storage Barn	FRAM Power Steering Fluid	3.78 L	Used	Distillates (petroleum), Hydrotreated Heavy Paraffinic	0.0	23

Notes:

CPVC = chlorinated polyvinyl chloride

fl. Oz = Fluid ounce

gal = gallon

L = Liter

lb. = Pound

oz = Ounce

PID = Photoionization detector

ppm = Part(s) per million

PVC = Polyvinyl chloride

SDS = Safety data sheet

Chemical Inventory Photographs for DBR Storage Barn

1a.



1b.



2a.



2b.



3.



4.



5.



6.



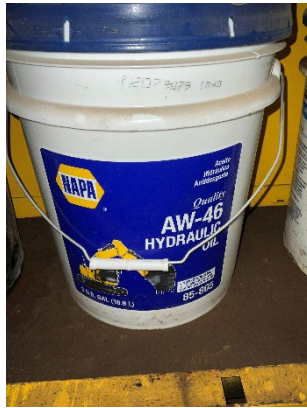
7.



8.



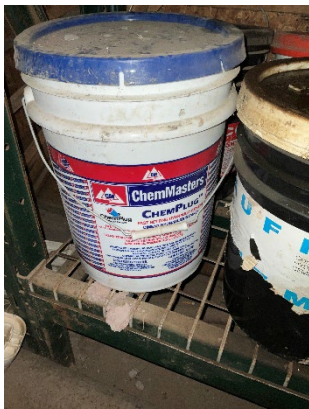
9.



10.



11.



12.



13.



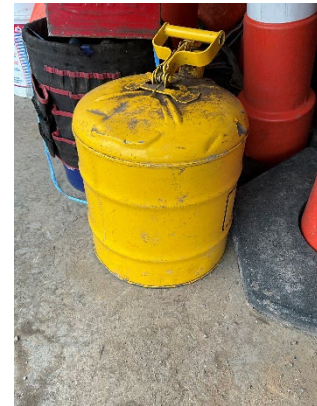
14.



15a.



15b.



16.



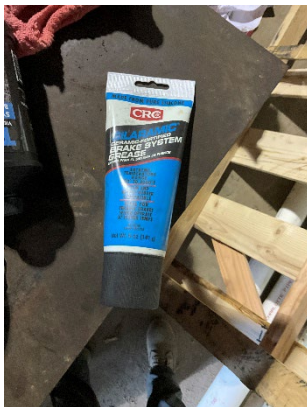
17a.



17b.



18a.



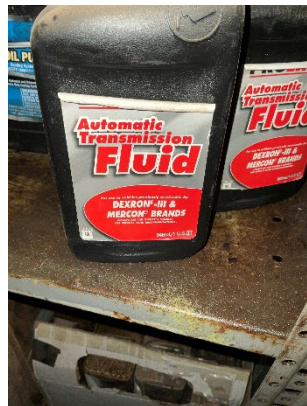
18b.



19.



20a.



20b.



21.



22.



23.



Attachment D

Data Usability Summary Reports

**DATA USABILITY SUMMARY REPORT
ZIP ZIP MINI MARKET, SYRACUSE, NEW YORK**

Client: EA Engineering, Science and Technology, Marlboro, New York
SDG: L2473732
Laboratory: Pace Analytical, East Longmeadow, Massachusetts
Site: Zip Zip Mini Market, Syracuse, New York
Date: March 11, 2025

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	B00075-SSG-1-20241212	L2473732-01	Air
2	B00075-IA-1-20241212	L2473732-02	Air
3	B00075-DUP-1-20241212	L2473732-03	Air
4	B00075-OA-1-20241212	L2473732-04	Air
5	B00075-IA-2-20241212	L2473732-05	Air
6	B00075-SSG-2-20241212	L2473732-06	Air
7	B00075-DUP-2-20241212	L2473732-07	Air

A Data Usability Summary Review was performed on the analytical data for seven air samples collected on December 12, 2024 by EA Engineering at the Zip Zip Mini Market site in Syracuse, New York. The samples were analyzed under the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition January 1999, Compendium Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

Specific method references are as follows:

Analysis
VOC

Method References
USEPA Method TO-15 SIM

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-31, Revision 6, Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, June 2014;
- and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

Organics

- Holding Times
- GC/MS Tuning
- Initial Calibration
- Continuing Calibration
- Canister Certification Blanks
- Canister Certification Pressures Differences
- Method and Field Blank Contamination
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- Internal standard area and retention time summary forms
- Compound Quantitation
- Field Duplicate Sample Precision

Data Usability Assessment

There were no rejections of data.

The data are acceptable for the intended purposes as qualified for the data quality indicator criteria as detailed in this report.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedances of QC criteria.

Volatile Organic Compounds (VOC)

Holding Times

- All samples were analyzed within 30 days for air samples.

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibration exhibited acceptable %RSD values and/or correlation coefficients and mean RRF values.

Continuing Calibration

- The following table presents compounds that exceeded percent difference (%D) criteria and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D	Qualifier	Affected Samples
01/02/25 (1223)	Freon-114	33.9%	J	All Samples

Canister Certification Blanks

- The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences

- All criteria were met.

Method Blank

- The method blanks were free of contamination.

Field Blanks

- Field QC samples were not analyzed.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Samples (LCS)

- The following table presents LCS samples that exhibited percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS Sample	Compound	LCS %R	Qualifier	Affected Samples
WG2015800-3	Freon-114	134%	None	See CCAL

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Compound Quantitation

- EDS samples 6 and 7 exhibited high concentrations of chloroform over the instrument calibration range and were flagged (E) by the laboratory. The samples were diluted and reanalyzed at a 5X dilution. Use the dilution results for reporting purposes.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. The precision was acceptable.

Compound	B00075-DUP-1-20241212 ug/m3	B00075-OA-1-20241212 ug/m3	RPD	Qualifier
Dichlorodifluoromethane	2.56	2.65	3%	None
Chloromethane	1.04	1.10	6%	
Freon-114	0.133	0.140	5%	
Bromomethane	0.043	0.078U	NC	
Ethanol	2.73	2.83	4%	
Trichlorofluoromethane	1.48	1.48	0%	
Methylene Chloride	0.472	0.486	3%	
Freon-113	0.644	0.644	0%	
2-Butanone	1.47U	3.86	NC	
Chloroform	0.093	0.088	6%	
1,2-Dichloroethane	0.073	0.073	0%	
Benzene	0.332	0.332	0%	
Carbon Tetrachloride	0.491	0.478	3%	
Toluene	0.384	0.433	12%	
Ethylbenzene	0.070	0.074	6%	
p,m-Xylene	0.182	0.208	13%	
o-Xylene	0.083	0.096	15%	
1,2,4-Trimethylbenzene	0.167	0.197	16%	

Compound	B00075-SSG-2-20241212 ug/m3	B00075-DUP-2-20241212 ug/m3	RPD	Qualifier
Dichlorodifluoromethane	3.83	3.76	2%	None
Freon-114	0.133	0.147	10%	
Chloroethane	0.108	0.150	33%	
Trichlorofluoromethane	134	131	2%	
Freon-113	0.445	0.445	0%	
Methyl tert butyl Ether	2.56	2.71	6%	
2-Butanone	3.54	3.60	2%	
Chloroform	591	601	2%	
n-Hexane	1.07	1.19	11%	

Compound	B00075-SSG-2-20241212 ug/m3	B00075-DUP-2-20241212 ug/m3	RPD	Qualifier
Benzene	2.30	2.44	6%	None
Cyclohexane	1.26	1.38	9%	
Bromodichloromethane	1.23	1.26	2%	
2,2,4-Trimethylpentane	4.42	4.72	7%	
Heptane	0.783	0.824	5%	
Toluene	15.9	16.7	5%	
Tetrachloroethene	1.38	1.44	4%	
Ethylbenzene	1.28	1.39	8%	
p,m-Xylene	8.64	9.38	8%	
Styrene	0.081	0.085	5%	
1,1,2,2-Tetrachloroethane	0.357	0.385	8%	
o-Xylene	4.78	5.30	10%	
1,3,5-Trimethylbenzene	4.84	5.01	3%	
1,2,4-Trimethylbenzene	16.6	16.4	1%	
Naphthalene	6.29	4.37	36%	

Please contact the undersigned at (561) 475-2000 if you have any questions or need further information.

Signed:

Nancy Weaver
Nancy Weaver
Senior Chemist

Dated: 5/22/25

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

Reason Code	Definition
HT	Holding Time
MB	Method Blank
SURR	Surrogate
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
CB/CCB	Calibration Blank or Continuing Calibration Blank
CCV	Calibration Verification
SD	ICP Serial Dilution
TB	Trip Blank
EB	Equipment Blank
FB	Field Blank
FD	Field Duplicate
CQ	Compound Quantitation
IS	Internal Standard

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-01
Client ID : B00075-SSG-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:05
Date Received : 12/13/24
Date Analyzed : 01/02/25 23:48

Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232002
Sample Amount : 250 ml

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.413	0.200	0.050	2.04	0.989	0.247	
74-87-3	Chloromethane	0.094	0.200	0.076	0.194	0.413	0.156	J
76-14-2	Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	J J cal
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	0.641	0.050	0.009	3.60	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	0.048	0.050	0.008	0.368	0.383	0.064	J
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1834-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.177	0.500	0.132	0.522	1.47	0.389	J
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.416	0.020	0.007	2.03	0.098	0.035	
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	0.092	0.200	0.047	0.324	0.705	0.166	J
71-55-6	1,1,1-Trichloroethane	0.027	0.020	0.006	0.147	0.109	0.032	
71-43-2	Benzene	0.080	0.100	0.030	0.256	0.319	0.095	J
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-01
Client ID : B00075-SSG-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:05
Date Received : 12/13/24
Date Analyzed : 01/02/25 23:48

Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232002
Sample Amount : 250 ml

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	0.011	0.020	0.006	0.059	0.107	0.032	J
540-84-1	2,2,4-Trimethylpentane	0.039	0.200	0.037	0.182	0.934	0.173	J
142-82-5	Heptane	0.065	0.200	0.031	0.266	0.820	0.128	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	0.310	0.100	0.017	1.17	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.093	0.020	0.007	0.631	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.028	0.020	0.009	0.122	0.087	0.037	
179601-23-1	p/m-Xylene	0.099	0.040	0.018	0.430	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.044	0.020	0.009	0.191	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.011	0.020	0.010	0.054	0.098	0.047	J
95-63-6	1,2,4-Trimethylbenzene	0.087	0.020	0.008	0.428	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
 Project Name : ZIP ZIP MINI MARKET SITE
 Lab ID : L2473732-01
 Client ID : B00075-SSG-1-20241212
 Sample Location : 1410 ERIE BOULEVARD EAST,
 SYRACUSE, ONONDAGA
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R232002
 Sample Amount : 250 ml

Lab Number : L2473732
 Project Number : CO 152101/S B00075
 Date Collected : 12/12/24 16:05
 Date Received : 12/13/24
 Date Analyzed : 01/02/25 23:48
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB23
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

2

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-02
Client ID : B00075-IA-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 17:06
Date Received : 12/13/24
Date Analyzed : 01/02/25 18:38

Sample Matrix : AIR
Analytical Method : 48.TO-15-SIM
Lab File ID : R231994
Sample Amount : 250 ml

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.532	0.200	0.050	2.63	0.989	0.247	
74-87-3	Chloromethane	0.535	0.200	0.076	1.10	0.413	0.156	
76-14-2	Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	✓ J CCW
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	2.48	5.00	1.35	4.67	9.42	2.54	J
75-69-4	Trichlorofluoromethane	0.272	0.050	0.009	1.53	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.139	0.500	0.110	0.483	1.74	0.382	J
76-13-1	Freon-113	0.084	0.050	0.008	0.644	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.631	0.500	0.132	1.86	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.020	0.020	0.007	0.098	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034	
110-54-3	n-Hexane	0.177	0.200	0.047	0.624	0.705	0.166	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.321	0.100	0.030	1.03	0.319	0.095	
56-23-5	Carbon tetrachloride	0.078	0.020	0.011	0.491	0.126	0.069	
110-82-7	Cyclohexane	0.053	0.200	0.031	0.182	0.688	0.108	J

2

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-02
Client ID : B00075-IA-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 17:06
Date Received : 12/13/24
Date Analyzed : 01/02/25 18:38

Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231994
Sample Amount : 250 ml

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	0.430	0.200	0.037	2.01	0.934	0.173	
142-82-5	Heptane	0.119	0.200	0.031	0.488	0.820	0.128	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	1.28	0.100	0.017	4.82	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.155	0.020	0.009	0.673	0.087	0.037	
179601-23-1	p/m-Xylene	0.496	0.040	0.018	2.15	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.021	0.020	0.008	0.089	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.210	0.020	0.009	0.912	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.043	0.020	0.010	0.211	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.357	0.020	0.008	1.76	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U



2

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 17:06
Date Received : 12/13/24
Date Analyzed : 01/02/25 18:38

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.070	0.050	0.021	0.367	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

3

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
 Project Name : ZIP ZIP MINI MARKET SITE
 Lab ID : L2473732-03
 Client ID : B00075-DUP-01-20241212
 Sample Location : 1410 ERIE BOULEVARD EAST,
 SYRACUSE, ONONDAGA

Lab Number : L2473732
 Project Number : CO 152101/S B00075
 Date Collected : 12/12/24 00:00
 Date Received : 12/13/24
 Date Analyzed : 01/02/25 19:16

Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R231995
 Sample Amount : 250 ml

Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB23
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.518	0.200	0.050	2.56	0.989	0.247	
74-87-3	Chloromethane	0.505	0.200	0.076	1.04	0.413	0.156	
76-14-2	Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	✓ J CCV
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	0.011	0.020	0.009	0.043	0.078	0.037	J
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	1.45	5.00	1.35	2.73	9.42	2.54	J
75-69-4	Trichlorofluoromethane	0.264	0.050	0.009	1.48	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.136	0.500	0.110	0.472	1.74	0.382	J
76-13-1	Freon-113	0.084	0.050	0.008	0.644	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	ND	0.500	0.132	ND	1.47	0.389	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.019	0.020	0.007	0.093	0.098	0.035	J
107-06-2	1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.034	J
110-54-3	n-Hexane	ND	0.200	0.047	ND	0.705	0.166	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.104	0.100	0.030	0.332	0.319	0.095	
56-23-5	Carbon tetrachloride	0.078	0.020	0.011	0.491	0.126	0.069	
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U

3

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-03
Client ID : B00075-DUP-01-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231995
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 00:00
Date Received : 12/13/24
Date Analyzed : 01/02/25 19:16
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173	U
142-82-5	Heptane	ND	0.200	0.031	ND	0.820	0.128	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	0.102	0.100	0.017	0.384	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.016	0.020	0.009	0.070	0.087	0.037	J
179601-23-1	p/m-Xylene	0.042	0.040	0.018	0.182	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.019	0.020	0.009	0.083	0.087	0.038	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047	U
95-63-6	1,2,4-Trimethylbenzene	0.034	0.020	0.008	0.167	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U



3

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
 Project Name : ZIP ZIP MINI MARKET SITE
 Lab ID : L2473732-03
 Client ID : B00075-DUP-01-20241212
 Sample Location : 1410 ERIE BOULEVARD EAST,
 SYRACUSE, ONONDAGA
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R231995
 Sample Amount : 250 ml

Lab Number : L2473732
 Project Number : CO 152101/S B00075
 Date Collected : 12/12/24 00:00
 Date Received : 12/13/24
 Date Analyzed : 01/02/25 19:16
 Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB23
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

4

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-04
Client ID : B00075-OA-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 17:01
Date Received : 12/13/24
Date Analyzed : 01/02/25 17:58

Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231993
Sample Amount : 250 ml

Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.535	0.200	0.050	2.65	0.989	0.247	
74-87-3	Chloromethane	0.531	0.200	0.076	1.10	0.413	0.156	
76-14-2	Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J CCW
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	1.50	5.00	1.35	2.83	9.42	2.54	J
75-69-4	Trichlorofluoromethane	0.264	0.050	0.009	1.48	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.140	0.500	0.110	0.486	1.74	0.382	J
76-13-1	Freon-113	0.084	0.050	0.008	0.644	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	1.31	0.500	0.132	3.86	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.018	0.020	0.007	0.088	0.098	0.035	J
107-06-2	1,2-Dichloroethane	0.018	0.020	0.008	0.073	0.081	0.034	J
110-54-3	n-Hexane	ND	0.200	0.047	ND	0.705	0.166	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.104	0.100	0.030	0.332	0.319	0.095	
56-23-5	Carbon tetrachloride	0.076	0.020	0.011	0.478	0.126	0.069	
110-82-7	Cyclohexane	ND	0.200	0.031	ND	0.688	0.108	U

MW 5122125



4

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-04
Client ID : B00075-OA-1-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231993
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 17:01
Date Received : 12/13/24
Date Analyzed : 01/02/25 17:58
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	0.037	ND	0.934	0.173	U
142-82-5	Heptane	ND	0.200	0.031	ND	0.820	0.128	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	0.115	0.100	0.017	0.433	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.017	0.020	0.009	0.074	0.087	0.037	J
179601-23-1	p/m-Xylene	0.048	0.040	0.018	0.208	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	ND	0.020	0.008	ND	0.085	0.034	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.022	0.020	0.009	0.096	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	ND	0.020	0.010	ND	0.098	0.047	U
95-63-6	1,2,4-Trimethylbenzene	0.040	0.020	0.008	0.197	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

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Results Summary

Form 1

Volatile Organics in Air by SIM

Client	: NYDEC_EA Engineering Science & Tec	Lab Number	: L2473732
Project Name	: ZIP ZIP MINI MARKET SITE	Project Number	: CO 152101/S B00075
Lab ID	: L2473732-04	Date Collected	: 12/12/24 17:01
Client ID	: B00075-OA-1-20241212	Date Received	: 12/13/24
Sample Location	: 1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	Date Analyzed	: 01/02/25 17:58
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R231993	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	ND	0.050	0.021	ND	0.262	0.110	U
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-05
Client ID : B00075-IA-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231996
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:13
Date Received : 12/13/24
Date Analyzed : 01/02/25 19:55
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.527	0.200	0.050	2.61	0.989	0.247	
74-87-3	Chloromethane	0.502	0.200	0.076	1.04	0.413	0.156	
76-14-2	Freon-114	0.020	0.050	0.006	0.140	0.349	0.045	J J CCV
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	0.010	0.020	0.009	0.039	0.078	0.037	J
75-00-3	Chloroethane	ND	0.100	0.040	ND	0.264	0.104	U
64-17-5	Ethanol	2.43	5.00	1.35	4.58	9.42	2.54	J
75-69-4	Trichlorofluoromethane	0.271	0.050	0.009	1.52	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	0.140	0.500	0.110	0.486	1.74	0.382	J
76-13-1	Freon-113	0.084	0.050	0.008	0.644	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	ND	0.200	0.026	ND	0.721	0.094	U
78-93-3	2-Butanone	0.565	0.500	0.132	1.67	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform	0.021	0.020	0.007	0.103	0.098	0.035	
107-06-2	1,2-Dichloroethane	0.020	0.020	0.008	0.081	0.081	0.034	
110-54-3	n-Hexane	0.174	0.200	0.047	0.613	0.705	0.166	J
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.572	0.100	0.030	1.83	0.319	0.095	
56-23-5	Carbon tetrachloride	0.077	0.020	0.011	0.484	0.126	0.069	
110-82-7	Cyclohexane	0.056	0.200	0.031	0.193	0.688	0.108	J



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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-05
Client ID : B00075-IA-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : AIR
Analytical Method : 48,TO-15-SIM
Lab File ID : R231996
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:13
Date Received : 12/13/24
Date Analyzed : 01/02/25 19:55
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	ND	0.020	0.007	ND	0.134	0.050	U
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	0.431	0.200	0.037	2.01	0.934	0.173	
142-82-5	Heptane	0.121	0.200	0.031	0.496	0.820	0.128	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	1.25	0.100	0.017	4.71	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	ND	0.020	0.007	ND	0.136	0.050	U
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.158	0.020	0.009	0.686	0.087	0.037	
179601-23-1	p/m-Xylene	0.498	0.040	0.018	2.16	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.044	0.020	0.008	0.187	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.046	U
95-47-6	o-Xylene	0.214	0.020	0.009	0.930	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.049	0.020	0.010	0.241	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	0.326	0.020	0.008	1.60	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

new 5/22/25



Results Summary

Form 1

Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
 Project Name : ZIP ZIP MINI MARKET SITE
 Lab ID : L2473732-05
 Client ID : B00075-IA-2-20241212
 Sample Location : 1410 ERIE BOULEVARD EAST,
 SYRACUSE, ONONDAGA

Lab Number : L2473732
 Project Number : CO 152101/S B00075
 Date Collected : 12/12/24 16:13
 Date Received : 12/13/24
 Date Analyzed : 01/02/25 19:55

Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R231996
 Sample Amount : 250 ml

Dilution Factor : 1
 Analyst : TPH
 Instrument ID : AIRLAB23
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.098	0.050	0.021	0.514	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-06
Client ID : B00075-SSG-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232003
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:45
Date Received : 12/13/24
Date Analyzed : 01/03/25 00:27
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.774	0.200	0.050	3.83	0.989	0.247	
74-87-3	Chloromethane	ND	0.200	0.076	ND	0.413	0.156	U
76-14-2	Freon-114	0.019	0.050	0.006	0.133	0.349	0.045	J J CW
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	0.041	0.100	0.040	0.108	0.264	0.104	J
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	23.9	0.050	0.009	134	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	0.058	0.050	0.008	0.445	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	0.710	0.200	0.026	2.56	0.721	0.094	
78-93-3	2-Butanone	1.20	0.500	0.132	3.54	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform <i>exclude</i>	111	0.020	0.007	542E	0.098	0.035	E
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	0.305	0.200	0.047	1.07	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.720	0.100	0.030	2.30	0.319	0.095	
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	0.366	0.200	0.031	1.26	0.688	0.108	

4

Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-06
Client ID : B00075-SSG-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232003
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 16:45
Date Received : 12/13/24
Date Analyzed : 01/03/25 00:27
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	0.184	0.020	0.007	1.23	0.134	0.050	
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	0.947	0.200	0.037	4.42	0.934	0.173	
142-82-5	Heptane	0.191	0.200	0.031	0.783	0.820	0.128	J
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	4.22	0.100	0.017	15.9	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.204	0.020	0.007	1.38	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.295	0.020	0.009	1.28	0.087	0.037	
179601-23-1	p/m-Xylene	1.99	0.040	0.018	8.64	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.019	0.020	0.008	0.081	0.085	0.034	J
79-34-5	1,1,2,2-Tetrachloroethane	0.052	0.020	0.007	0.357	0.137	0.046	
95-47-6	o-Xylene	1.10	0.020	0.009	4.78	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	0.984	0.020	0.010	4.84	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	3.37	0.020	0.008	16.6	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U



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Results Summary Form 1 Volatile Organics in Air by SIM

Client	: NYDEC_EA Engineering Science & Tec	Lab Number	: L2473732
Project Name	: ZIP ZIP MINI MARKET SITE	Project Number	: CO 152101/S B00075
Lab ID	: L2473732-06	Date Collected	: 12/12/24 16:45
Client ID	: B00075-SSG-2-20241212	Date Received	: 12/13/24
Sample Location	: 1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	Date Analyzed	: 01/03/25 00:27
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R232003	Instrument ID	: AIRLAB23
Sample Amount	: 250 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	1.20	0.050	0.021	6.29	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

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Results Summary Form 1 Volatile Organics in Air by SIM

Client	: NYDEC_EA Engineering Science & Tec	Lab Number	: L2473732
Project Name	: ZIP ZIP MINI MARKET SITE	Project Number	: CO 152101/S B00075
Lab ID	: L2473732-06D	Date Collected	: 12/12/24 16:45
Client ID	: B00075-SSG-2-20241212	Date Received	: 12/13/24
Sample Location	: 1410 ERIE BOULEVARD EAST, SYRACUSE, ONONDAGA	Date Analyzed	: 01/03/25 06:37
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 5
Analytical Method	: 48,TO-15-SIM	Analyst	: TPH
Lab File ID	: R232011	Instrument ID	: AIRLAB23
Sample Amount	: 50.0 ml	GC Column	: RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	121	0.100	0.036	591	0.488	0.173	

new 5/22/25



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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-07
Client ID : B00075-DUP-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232004
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 00:00
Date Received : 12/13/24
Date Analyzed : 01/03/25 01:06
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.761	0.200	0.050	3.76	0.989	0.247	
74-87-3	Chloromethane	ND	0.200	0.076	ND	0.413	0.156	U
76-14-2	Freon-114	0.021	0.050	0.006	0.147	0.349	0.045	✓ J CW
75-01-4	Vinyl chloride	ND	0.020	0.009	ND	0.051	0.023	U
74-83-9	Bromomethane	ND	0.020	0.009	ND	0.078	0.037	U
75-00-3	Chloroethane	0.057	0.100	0.040	0.150	0.264	0.104	J
64-17-5	Ethanol	ND	5.00	1.35	ND	9.42	2.54	U
75-69-4	Trichlorofluoromethane	23.3	0.050	0.009	131	0.281	0.052	
75-35-4	1,1-Dichloroethene	ND	0.020	0.008	ND	0.079	0.031	U
75-65-0	Tert-Butyl Alcohol	ND	0.500	0.134	ND	1.52	0.406	U
75-09-2	Methylene chloride	ND	0.500	0.110	ND	1.74	0.382	U
76-13-1	Freon-113	0.058	0.050	0.008	0.445	0.383	0.064	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	0.009	ND	0.079	0.036	U
75-34-3	1,1-Dichloroethane	ND	0.020	0.009	ND	0.081	0.035	U
1634-04-4	Methyl tert butyl ether	0.752	0.200	0.026	2.71	0.721	0.094	
78-93-3	2-Butanone	1.22	0.500	0.132	3.60	1.47	0.389	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	0.010	ND	0.079	0.040	U
67-66-3	Chloroform exclude	109	0.020	0.007	532E	0.098	0.035	E
107-06-2	1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.034	U
110-54-3	n-Hexane	0.338	0.200	0.047	1.19	0.705	0.166	
71-55-6	1,1,1-Trichloroethane	ND	0.020	0.006	ND	0.109	0.032	U
71-43-2	Benzene	0.764	0.100	0.030	2.44	0.319	0.095	
56-23-5	Carbon tetrachloride	ND	0.020	0.011	ND	0.126	0.069	U
110-82-7	Cyclohexane	0.400	0.200	0.031	1.38	0.688	0.108	

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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-07
Client ID : B00075-DUP-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232004
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 00:00
Date Received : 12/13/24
Date Analyzed : 01/03/25 01:06
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
78-87-5	1,2-Dichloropropane	ND	0.020	0.008	ND	0.092	0.038	U
75-27-4	Bromodichloromethane	0.188	0.020	0.007	1.26	0.134	0.050	
123-91-1	1,4-Dioxane	ND	0.100	0.034	ND	0.360	0.124	U
79-01-6	Trichloroethene	ND	0.020	0.006	ND	0.107	0.032	U
540-84-1	2,2,4-Trimethylpentane	1.01	0.200	0.037	4.72	0.934	0.173	
142-82-5	Heptane	0.201	0.200	0.031	0.824	0.820	0.128	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.054	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	0.191	ND	2.05	0.783	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	0.012	ND	0.091	0.052	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.053	U
108-88-3	Toluene	4.42	0.100	0.017	16.7	0.377	0.063	
124-48-1	Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068	U
106-93-4	1,2-Dibromoethane	ND	0.020	0.009	ND	0.154	0.070	U
127-18-4	Tetrachloroethene	0.212	0.020	0.007	1.44	0.136	0.050	
108-90-7	Chlorobenzene	ND	0.100	0.026	ND	0.461	0.119	U
100-41-4	Ethylbenzene	0.321	0.020	0.009	1.39	0.087	0.037	
179601-23-1	p/m-Xylene	2.16	0.040	0.018	9.38	0.174	0.078	
75-25-2	Bromoform	ND	0.020	0.011	ND	0.207	0.115	U
100-42-5	Styrene	0.020	0.020	0.008	0.085	0.085	0.034	
79-34-5	1,1,2,2-Tetrachloroethane	0.056	0.020	0.007	0.385	0.137	0.046	
95-47-6	o-Xylene	1.22	0.020	0.009	5.30	0.087	0.038	
108-67-8	1,3,5-Trimethylbenzene	1.02	0.020	0.010	5.01	0.098	0.047	
95-63-6	1,2,4-Trimethylbenzene	3.34	0.020	0.008	16.4	0.098	0.037	
100-44-7	Benzyl chloride	ND	0.100	0.033	ND	0.518	0.172	U

Results Summary Form 1 Volatile Organics in Air by SIM

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Client : NYDEC_EA Engineering Science & Tec
Project Name : ZIP ZIP MINI MARKET SITE
Lab ID : L2473732-07
Client ID : B00075-DUP-2-20241212
Sample Location : 1410 ERIE BOULEVARD EAST,
SYRACUSE, ONONDAGA
Sample Matrix : SOIL_VAPOR
Analytical Method : 48,TO-15-SIM
Lab File ID : R232004
Sample Amount : 250 ml

Lab Number : L2473732
Project Number : CO 152101/S B00075
Date Collected : 12/12/24 00:00
Date Received : 12/13/24
Date Analyzed : 01/03/25 01:06
Dilution Factor : 1
Analyst : TPH
Instrument ID : AIRLAB23
GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
541-73-1	1,3-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.046	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.045	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	0.006	ND	0.120	0.037	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	0.015	ND	0.371	0.108	U
91-20-3	Naphthalene	0.834	0.050	0.021	4.37	0.262	0.110	
87-68-3	Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117	U

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Results Summary Form 1 Volatile Organics in Air by SIM

Client : NYDEC_EA Engineering Science & Tec
 Project Name : ZIP ZIP MINI MARKET SITE
 Lab ID : L2473732-07D
 Client ID : B00075-DUP-2-20241212
 Sample Location : 1410 ERIE BOULEVARD EAST,
 SYRACUSE, ONONDAGA
 Sample Matrix : SOIL_VAPOR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R232012
 Sample Amount : 50.0 ml

Lab Number : L2473732
 Project Number : CO 152101/S B00075
 Date Collected : 12/12/24 00:00
 Date Received : 12/13/24
 Date Analyzed : 01/03/25 07:12
 Dilution Factor : 5
 Analyst : TPH
 Instrument ID : AIRLAB23
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-66-3	Chloroform	123	0.100	0.036	601	0.488	0.173	