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REPORT ON

VAPOR INTRUSION INVESTIGATION REPORT
WINTER 2024-2025 SAMPLING EVENT
CARRIER CORPORATION
6304 THOMPSON ROAD
SYRACUSE, NEW YORK
CORRECTIVE ACTION ORDER INDEX CO 7-20051118-4
SITE REGISTRY NO. 734043

by
H & A of New York Engineering and Geology, LLP
Rochester, New York

for
New York State Department of Environmental Conservation
Syracuse, New York

File No. 0201049-008
March 2025

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6 March 2025
File No. 0201049-008

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Division of Environmental Remediation, Region 7
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Attention: Michael Belveg

Subject: Vapor Intrusion Investigation Report
Winter 2024-2025 Sampling Event
Carrier Corporation
6304 Thompson Road
Syracuse, New York

Ladies and Gentlemen:

On behalf of Carrier Corporation, H & A of New York Engineering and Geology, LLP is submitting the attached *Vapor Intrusion Investigation Report* for the Winter 2024-2025 sampling event performed in December 2024.

Please call the undersigned at 913.693.1905 if you have any questions or require additional information.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

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SYRACUSE, NEW YORK

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Executive Summary

On behalf of Carrier Corporation (Carrier), H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is submitting this vapor intrusion (VI) investigation report for the winter 2024-2025 monitoring event at the 6304 Thompson Road Facility in Syracuse, Onondaga County, New York (Site). The samples were collected by Haley & Aldrich of New York and AECOM Technical Services, Inc. (AECOM) in December 2024 in accordance with the *Vapor Intrusion Investigation Work Plan* (VI Work Plan; AECOM, 2017). The VI Work Plan was approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) in October 2017. Since VI investigations have begun, six buildings have been fully or partially mitigated and five buildings have been demolished, including three where significant source areas were identified. There are 22 structures remaining on the property.

In coordination with NYSDEC and NYSDOH, this report includes the results of sub-slab soil vapor, indoor air, and outdoor air sample collection and analysis at nine Site buildings, TR-4, TR-5, TR-5A, TR-6A, TR-7, TR-8, TR-12, TR-19, and TR-23. Six of these buildings (TR-4, TR-5, TR-6A, TR-7, TR-12, and TR-19) are in the VI monitoring program. Carrier expanded the winter 2024-2025 monitoring event to also include collection of samples in Buildings TR-5A, TR-8, and TR-23. The winter 2024-2025 analytical results were compared to the NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006), which includes generic decision matrices (NYSDOH, 2017; NYSDOH, 2024) for evaluating the potential VI pathway. As detailed herein, the results demonstrate that indoor air concentrations of trichloroethene (TCE), the principal contaminant of concern at the Site, remain less than 1 microgram per cubic meter ($\mu g/m^3$).

Based on the results, continued soil vapor and indoor air monitoring is planned for the 2025-2026 winter heating season at select locations in six buildings remaining in the VI monitoring program (TR-4, TR-5, TR-6A, TR-7, TR-12, and TR-19), as well as TR-5A, TR-8, and TR-23.

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List of Acronyms

Acronym	Definition
µg/m^3	micrograms per cubic meter
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,1,1-TCA	1,1,1-trichloroethane
AECOM	AECOM Technical Services, Inc.
ATV	all-terrain vehicle
BTEX	benzene, toluene, ethylbenzene, and xylenes
Carrier	Carrier Corporation
cis-1,2-DCE	cis-1,2-dichloroethene
CVOC	chlorinated volatile organic compound
DQO	data quality objective
DUSR	Data Usability Summary Report
GC/MS	gas chromatography/mass spectrometry
Haley & Aldrich of New York	H & A of New York Engineering and Geology, LLP
HVAC	heating, ventilation, and air conditioning
L/min	liters per minute
MC	methylene chloride
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
Pace	Pace Analytical Services
PCE	tetrachloroethene
PID	photoionization detector
PIV	powered industrial vehicle
QA/QC	quality assurance/quality control
QC	quality control
R&D	research and development
SDG	Sample Delivery Group
Site	6304 Thompson Road Facility in Syracuse, Onondaga County, New York
SSDS	sub-slab depressurization system
SWTP	Storm Water Treatment Plant
TCE	trichloroethene
trans-1,2-DCE	trans-1,2-dichloroethene
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VC	vinyl chloride
VI	vapor intrusion
VI Work Plan	Vapor Intrusion Investigation Work Plan
VOC	volatile organic compound

1. Introduction

On behalf of Carrier Corporation (Carrier), H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) is submitting this *Vapor Intrusion* (VI) *Monitoring Report* for the 6304 Thompson Road Facility in Syracuse, Onondaga County, New York (Site). The samples were collected by Haley & Aldrich of New York and AECOM Technical Services, Inc. (AECOM) in December 2024, in accordance with the *Vapor Intrusion Investigation Work Plan* (VI Work Plan; AECOM, 2017). The VI Work Plan was approved by the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) in October 2017.

To date, the potential for VI has been investigated in 18 buildings on the Site. The last six rounds of annual sampling efforts, including the winter 2024-2025 event, included the collection of over 230 sub-slab soil vapor samples and over 230 indoor air samples. Based on the findings, Carrier previously coordinated with NYSDEC and NYSDOH to install active mitigation systems in six buildings, including TR-6, TR-18, TR-18S, the Storm Water Treatment Plant (SWTP), as well as portions of TR-4 and TR-20.

In addition to full or partial mitigation system installation in six buildings, five buildings have been demolished since VI investigations began, leaving 22 buildings on the campus. In coordination with NYSDEC and NYSDOH, seven buildings have been a part of the VI monitoring program, which has been ongoing since 2017. Since the start of the VI monitoring program, sampling at one building (TR-7A) has been discontinued. Carrier added three additional buildings to the winter 2024/2025 sampling event; Building TR-5A (added in 2022 to support repurposing the building for testing of refrigerated trailer batteries), and Buildings TR-8 and TR-23 (added in 2024 to 2025 to support renovation plans and future occupancy of these currently vacant buildings). A Site Plan depicting the winter 2024-2025 sample locations, as well as buildings with mitigation systems, is provided as Figure 1.

1.1 PREVIOUS INVESTIGATIONS AND MONITORING

As detailed in their *Vapor Intrusion Investigation Report – March/April 2021 Monitoring Event – Revision 01* (AECOM, 2021b), the first rounds of AECOM's VI investigation work were implemented in November/December 2017 and February/March 2018 (AECOM, 2018). According to AECOM, recommendations in the 2018 report were completed, along with additional investigation activities requested by NYSDEC in a letter dated 26 July 2018 (NYSDEC, 2018). The additional VI investigation activities were implemented in January/May 2019 and reported in the AECOM June 2019 *Vapor Intrusion Investigation Report* (AECOM, 2019). Based on the VI reports, NYSDEC provided a letter dated 12 September 2019 (NYSDEC, 2019), which recommended actions for seven Site buildings (TR-4, TR-5, TR-6A, TR-7, TR-7A, TR-12, and TR-19).

A round of sub-slab soil vapor, indoor air, and outdoor air monitoring was also completed at all seven buildings in March/April 2021 (AECOM, 2021a). The August 2021 report was entitled *Vapor Intrusion Investigation Report – March/April 2021 Monitoring Event*. Based on comments received in a 7 September 2021 NYSDEC letter (NYSDEC, 2021), AECOM revised and resubmitted the report in November 2021 (AECOM, 2021b).

The 7 September 2021 NYSDEC letter also requested collection of a second sample set location (i.e., indoor air and sub-slab vapor sampling pair) in the southern portion of Building TR-6A, two additional indoor air monitoring locations in Building TR-12, and six specifically selected Building TR-19 locations.

The results of the VI monitoring program completed in the winter of 2021, including the additional samples requested by NYSDEC, were summarized in the 24 March 2022 *Vapor Intrusion Investigation Report* (Haley & Aldrich of New York, 2022). A 9 May 2022 NYSDEC letter was subsequently sent to Carrier indicating that NYSDEC and NYSDOH reviewed the March 2022 report and determined that the report was satisfactory.

A round of sub-slab vapor, indoor air and outdoor air sampling was performed in December 2022. The results were summarized in the 2022 *Vapor Intrusion Investigation Report* submitted in February 2023 (Haley & Aldrich of New York, 2023), which supported the recommendation to discontinue monitoring in TR-7A. The 27 March 2023 NYSDEC letter agreed with these conclusions and TR-7A was removed from the winter 2023-2024 sampling program.

A round of sub-slab vapor, indoor air and outdoor air sampling was performed in January 2024 (the 2023/2024 winter event). The results were summarized in the *Winter 2023 and 2024 Vapor Intrusion Investigation Report* submitted in March 2024 (Haley & Aldrich of New York, 2024). An 18 April 2024 NYSDEC letter was subsequently sent to Carrier indicating that NYSDEC and NYSDOH reviewed the *Winter 2023 and 2024* report and determined that the report was satisfactory, but that TR-5A should continue to be sampled annually. Carrier agreed to one additional year of monitoring for TR-5A.

2. Vapor Intrusion Investigation Activities

The work detailed herein was performed in accordance with the approved VI Work Plan and included monitoring locations in Site buildings TR-4, TR-5, TR-6A, TR-7, TR-12, and TR-19, as well as TR-5A, TR-8, and TR-23. Building TR-5A was previously sampled in August and December 2022 and January 2024 to support Carrier's plans to repurpose the building for testing refrigerator trailer batteries and was sampled in December 2024 at the request of NYSDEC. Buildings TR-8 and TR-23 were added to support Carrier's plans to renovate and reoccupy these two buildings in the near future. The sampling work began on 9 December 2024 and was completed on 13 December 2024. For Building TR-8, an additional round of indoor air sampling was also completed in July 2024 to assist with redevelopment activities. These results along with the winter 2024/2025 results are included in the results discussion for Building TR-8.

Winter 2024/2025 field work was performed as a collaborative effort with Haley & Aldrich of New York and AECOM scientists experienced in VI investigations. In summary, the winter 2024-2025 field sampling activities included the following:

- installation of a new temporary Vapor Pin® at selected locations in TR-8 and TR-23 (points are temporary due to ongoing renovations);
- observations of sample locations for physical conditions (e.g., damage or nearby floor slab cracks);
- completion of indoor air quality questionnaires with associated building inventories for potential background indoor air sources;
- helium leak testing and sample train integrity checks;
- sub-slab soil vapor, indoor air, and outdoor ambient air sample collection; and
- sample delivery to the laboratory courier under chain of custody protocols.

Field activities are summarized on the sample collection forms presented in Appendix A.

2.1 SAMPLE LOCATIONS

The July 2024 sampling event included the collection of six indoor air samples and one outdoor ambient air sample in Building TR8. The December 2024 sampling event consisted of the collection of 26 indoor air samples paired with 25 sub-slab soil vapor samples, and seven associated quality assurance/quality control (QA/QC) samples (duplicate pairs for four indoor air samples and three sub-slab soil vapor samples). In addition, four associated outdoor air samples were collected, with at least one outdoor air sample collected during each sample collection day. Samples were collected as follows:

- TR-4: paired indoor air and sub-slab soil vapor samples at three locations;
- TR-5: paired indoor air and sub-slab soil vapor samples at five locations, plus a duplicate indoor air sample and a duplicate sub-slab soil vapor sample;
- TR-5A: paired indoor air and sub-slab soil vapor samples at two locations, plus a duplicate indoor air sample;
- TR-6A: paired indoor air and sub-slab soil vapor samples at one location;

- TR-7: paired indoor air and sub-slab soil vapor samples at six locations, plus a duplicate indoor air sample and a duplicate sub-slab soil vapor sample;
- TR-8: paired indoor air and sub-slab soil vapor samples at three locations, plus one second story indoor air sample location;
- TR-12: paired indoor air and sub-slab soil vapor samples at one location;
- TR-19: paired indoor air and sub-slab soil vapor samples at three locations, plus a duplicate indoor air sample and a duplicate sub-slab soil vapor sample; and
- TR-23: paired indoor air and sub-slab soil vapor samples at one location.

A Site Plan depicting sampling locations is provided as Figure 1.

2.2 SAMPLE COLLECTIONS AND ANALYSIS

Indoor air and sub-slab soil vapor samples were collected in stainless-steel canisters fitted with 8-hour flow controllers as provided by Pace Analytical Services (Pace; formerly known as Alpha Analytical Labs), the subcontracted laboratory.

Consistent with the VI Work Plan, the target compound list included eight chlorinated volatile organic compounds (CVOCs) defined in NYSDOH's Soil Vapor/Indoor Air Matrices A, B, and C (NYSDOH, 2017), as well as 1,1-dichloroethane (1,1-DCA), trans-1,2-dichloroethene (trans-1,2-DCE), and petroleum volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and xylenes (BTEX). Due to the former presence of an underground storage tank (UST) near Building TR-5A, NYSDOH's Soil Vapor/Indoor Air Matrices D, E, and F (NYSDOH, 2024) were also used for this building to evaluate BTEX. The eight compounds listed in Matrices A, B, and C (NYSDOH, 2017) and the selected compounds from Matrices D, E, and F (NYSDOH, 2024) are shown below.

- Soil Vapor/Indoor Air Matrix A:
  - 1,1-dichloroethene (1,1-DCE)
  - cis-1,2-dichloroethene (cis-1,2-DCE)
  - carbon tetrachloride
  - trichloroethene (TCE)
- Soil Vapor/Indoor Air Matrix B:
  - 1,1,1-trichloroethane (1,1,1-TCA)
  - tetrachloroethene (PCE)
  - methylene chloride (MC)
- Soil Vapor/Indoor Air Matrix C:
  - vinyl chloride (VC)
- Soil Vapor/Indoor Air Matrix D:
  - benzene
  - ethylbenzene
  - o-xylene
- Soil Vapor/Indoor Air Matrix E:

  - m,p-xylene
- Soil Vapor/Indoor Air Matrix F:
  - toluene

Prior to collecting a sample at each sub-slab soil vapor sampling port (installed as Vapor Pins®), a helium tracer gas test was performed as a leak test methodology to evaluate sample integrity. To perform the test, an enclosure was placed over the sealed sub-slab sample location. The sample tubing was run through a hole in the enclosure, and a silicone gasket was used to seal the interface between the tubing and the enclosure. The enclosure was then sealed at the ground surface with a foam gasket. A tank containing helium was connected to the side port of the enclosure and helium was released within the enclosure. Following the application of the tracer gas, approximately 1 liter of soil vapor was purged using a sample pump at a rate of approximately 0.2 liters per minute (L/min) into a 1-liter Tedlar® bag. The Tedlar® bag was brought outside the building and then analyzed with a field meter for the following:

- helium using a Radiodetection/Dielectric MGD-2002 Multi-gas Detector;
- total VOCs with a photoionization detector (PID); and
- methane/oxygen/carbon dioxide/hydrogen sulfide with a GEM 2000 landfill gas monitor.

Remaining contents of the Tedlar® bag containing the sub-slab purged vapor were subsequently discharged to outdoor air.

Each sub-slab soil vapor sampling port passed the helium leak test. After successful tracer testing, the enclosure was then removed, and the tubing was connected to the evacuated canister via the flow controller for sample collection. The initial vacuum and start time were recorded at the beginning of each sampling period. After the sampling period, the final canister vacuum was recorded, and the flow controller was removed. The Vapor Pin® was closed by removing the tubing, placing a rubber cap on the pin and closing the point with a flush-mounted, stainless-steel cap.

Indoor air, sub-slab soil vapor and outdoor ambient air sample canisters were shipped under chain of custody protocols to Pace in Mansfield, Massachusetts for analysis of the target parameters following United States Environmental Protection Agency (USEPA) Method TO-15. QA/QC samples consisted of duplicate samples collected from the same location as the primary sample. In accordance with the VI Work Plan, the duplicate samples were collected using a tee fitting, which allowed the duplicate and primary sample to be collected from the same sample port. QA/QC samples were collected at a frequency of one for every 10 samples. Photographs taken of the sampling points during testing are provided in Appendix A.

2.3 INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY DOCUMENTATION

Completed building inventories documented materials stored in the vicinity of the sample locations, as well as the current use of each building and changes that may have occurred over the past year. Chemicals used and stored in each building, if known, are summarized on the inventories to support assessment of possible indoor air background sources. The completed indoor air quality questionnaire and building inventory forms are provided in Appendix A.

3. Data Validation and Data Usability

Haley & Aldrich of New York performed a data quality assessment of the laboratory reports to assess the overall quality of the data obtained for its usability in reporting the results of the VI investigation. Haley & Aldrich of New York's assessment included a preliminary review of gas chromatography/mass spectrometry (GC/MS) instrument performance checks, initial and continuing calibrations, method blanks, laboratory control samples, internal standard recoveries, and sample data formatting. Our review is included in two Data Usability Summary Reports (DUSRs) which were prepared following the guidelines provided in NYSDEC's *Division of Environmental Remediation DER-10 Technical Guidance for Site Investigation and Remediation, Appendix 2B, Guidance for Data Deliverables and the Development of Data Usability Summary Reports* (NYSDEC, 2010). These included the Sample Delivery Groups (SDGs) for the Pace lab report. The DUSRs addressed analytical data for soil vapor samples (including three soil vapor field duplicates), indoor air samples (including four indoor air field duplicates), and four ambient (outdoor) air samples collected from 10 to 13 December 2024, and six indoor and one outdoor ambient air samples collected on 5 July 2024. The samples were collected to support the Soil Vapor Intrusion Study for the Carrier site (Site #734043), located in Syracuse, New York. The DUSRs and laboratory reports are provided in Appendix B.

The laboratory reports indicate that no significant quality control (QC) non-conformance issues were identified for this dataset. Based on a review of the laboratory data criteria for precision, accuracy, representativeness, and comparability and the field QC sample data, the data are usable for the intended purpose and are of sufficient and defensible quality to be used for the data quality objectives (DQOs) established for the investigation of potential VI at the Site. No data were rejected from consideration, and the data are usable with the qualifications defined in the DUSR.

4. Results

The validated laboratory analytical results for the winter 2024-2025 sampling event and July 2024 TR-8 sampling are summarized in Tables 1 through 9, along with NYSDOH Soil Vapor/Indoor Air Matrix A, B, and C concentration ranges (Tables 10 through 18). The results for each building are depicted on Figures 2 through 10, with NYSDOH Soil Vapor/Indoor Air Matrices depicted on Figure 11. In addition, companion outdoor air results for the sub-slab soil vapor and indoor air sample pairs are provided for each building's table and figure. Note that one outdoor ambient air sample was collected during each day of sampling and is the companion sample to more than one building. Each building's companion outdoor air sample is noted on each figure. Long-term monitoring tables are presented in Appendix C. The results for each building for the winter 2024-2025 sampling event are discussed below.

4.1 BUILDING TR-4

Building TR-4 includes office space in the northern half of the building and active research and development (R&D) testing and prototype machining and production operations in the southern portion of the building. The floor in the southern portion of the building is sealed with an epoxy coating. A portion of the building already includes an active sub-slab depressurization system (SSDS), which is depicted on Figure 2. For the winter 2024-2025 sampling event, concentrations of TCE in sub-slab soil vapor ranged from 8.81 micrograms per cubic meter (µg/m^3) to 78.5 µg/m^3, and indoor air concentrations ranged from less than the reporting limit at 0.107µg/m^3 to 0.129 µg/m^3.

Concentrations of carbon tetrachloride and PCE were detected in indoor air, and outdoor air at generally equivalent concentrations. The presence of these compounds in indoor air is likely due to outdoor air entering the building. Low levels of trans-1,2-DCE were identified in indoor air and outdoor air while it was not detected above reporting limits in the sub-slab. Low concentrations of trans-1,2-DCE may be due to outdoor air entering the building or chemicals/materials already present in the buildings. Other CVOCs identified in sub-slab soil vapor at low levels were not identified in indoor air.

In general, the winter 2024-2025 findings are consistent with previous monitoring results for Building TR-4. Based on the results to date, Carrier will continue to conduct annual VI monitoring of Building TR-4 in the winter heating season. Concurrent with future sampling, Carrier will evaluate the floors, where accessible, for cracks and penetrations and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-4 are summarized in Table 1 and depicted on Figure 2. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 10 below. As previously noted, Tables 1 through 9 are appended at the end of the report.

TABLE 10
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-4
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR4-SSV/IA-1 - 1,1-DCE, cis-1,2-DCE TR4-SSV/IA-3 - 1,1-DCE, cis-1,2-DCE TR4-SSV/IA-4 - 1,1-DCE, cis-1,2-DCE	TR4-SSV/IA-1 - CT TR4-SSV/IA-3 - CT TR4-SSV/IA-4 - CT	NONE
	6 - 60	TR4-SSV/IA-1 - TCE TR4-SSV/IA-3 - TCE TR4-SSV/IA-4 - TCE	NONE	NONE
	> 60	NONE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR4-SSV/IA-1 - All TR4-SSV/IA-3 - All TR4-SSV/IA-4 - All	NONE	NONE
	100 - 1000	NONE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR4-SSV/IA-1 - All TR4-SSV/IA-3 - All TR4-IA-4 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.2 BUILDING TR-5

Building TR-5 includes office space in the northern end of the building, a waste storage area, a maintenance warehouse, and a general storage area in the southern end of the building. The southern end of the building houses gasoline-powered maintenance equipment used for campus management, such as skid steers, loaders, Gator®-style utility vehicles, and lawnmowers. The floor in the southern end of building is sealed with an epoxy coating. For the winter 2024-2025 sampling event, concentrations of TCE in sub-slab soil vapor ranged from 15.6 µg/m^3 to 785 µg/m^3, and indoor air concentrations ranged from less than the reporting limit of 0.107 µg/m^3 to 0.726 µg/m^3. TCE concentrations in indoor air have remained less than 1 µg/m^3.

Carbon tetrachloride was detected in indoor air and outdoor air at generally equivalent concentrations, and its presence in indoor air is likely due to outdoor air entering the building. The CVOCs 1,1,1-TCA, PCE, trans-1,2-DCE, and 1,1-DCA were identified in indoor air in one or more locations at low concentrations. Sub-slab soil vapor concentrations of these CVOCs were either relatively low or below laboratory reporting limits, suggesting these compounds are not of concern for VI. For one compound, trans-1,2-DCE, indoor air concentrations were greater than sub-slab soil vapor concentration, suggesting that it is present as a background indoor air source due to building use. An aerosol product containing greater than 90 percent trans-1,2-DCE was identified in past building surveys (CSM-3 Degreaser; see the Safety Data Sheet provided in Appendix A). Although CSM-3 was not noted in the chemical inventory completed this year, a significant number of vehicles and mechanical equipment (e.g., snow blowers, trucks, and lawn mowers) are located within the building and may off-gas. Cleaning and maintenance chemicals are also used on this equipment either in this building or at another location.

In general, the winter 2024-2025 findings are consistent with previous monitoring results for Building TR-5. Based on the results to date, Carrier will continue to conduct annual VI monitoring of Building TR-5 in the winter heating season for 2025-2026. Concurrent with any sampling, Carrier will evaluate the floors for cracks and penetrations where accessible and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-5 are summarized in Table 2 and depicted on Figure 3. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 11 below.

TABLE 11
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-5
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR5-SSV/IA-1 - 1,1-DCE, cis-1,2-DCE TR5-SSV/IA-2 - 1,1-DCE, cis-1,2-DCE TR5-SSV/IA-3 - 1,1-DCE, cis-1,2-DCE TR5-SSV/IA-4 - 1,1-DCE, cis-1,2-DCE TR5-SSV/IA-5 - 1,1-DCE, cis-1,2-DCE	TR5-SSV/IA-2 - CT TR5-SSV/IA-3 - CT TR5-SSV/IA-5 - CT	NONE
	6 - 60	TR5-SSV/IA-1 - TCE	TR5-SSV/IA-1 - CT TR5-SSV/IA-4 - CT TR5-SSV/IA-5 - TCE	NONE
	> 60	TR5-SSV/IA-2 - TCE TR5-SSV/IA-3 - TCE	TR5-SSV/IA-4 - TCE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR5-SSV/IA-1 - PCE, MC TR5-SSV/IA-2 - All TR5-SSV/IA-3 - All TR5-SSV/IA-4 - PCE, MC TR5-SSV/IA-5 - All	NONE	NONE
	100 - 1000	TR5-SSV/IA-1 - 1,1,1-TCA TR5-SSV/IA-4 - 1,1,1-TCA	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR5-SSV/IA-1 - All TR5-SSV/IA-2 - All TR5-SSV/IA-3 - All TR5-SSV/IA-4 - All TR5-SSV/IA-5 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.3 BUILDING TR-5A

Building TR-5A is a small garage building located between TR-5 and TR-19, that is currently used for testing batteries of refrigerated trailers. Although this building was not historically a part of the VI monitoring program, Carrier requested that it be included after it was repurposed from a garage storage space. Prior to renovation, the building was evaluated in August 2022 and again in December 2022 to confirm the results after the renovation and during the heating season. During both 2022 sampling events, active improvements were taking place, including the installation of epoxy flooring, painting of the interior floors and walls, and installation of a ductless heating and cooling system. In the winter 2023-2024 report, following these building improvements, concentrations of TCE in sub-slab soil vapor ranged from 0.451 µg/m^3 to 2.4 µg/m^3 and at less than the reporting limit of 0.107 µg/m^3 in indoor air. At the request of NYSDEC, TR-5A was sampled again during the winter 2024-2025 sampling event. Concentrations of TCE in the sub-slab soil vapor ranged from less than the reporting limit of 0.107 µg/m^3 to 4.07 µg/m^3 and at less than the reporting limit of 0.107 µg/m^3 in indoor air.

Carbon tetrachloride was detected in indoor air and outdoor air at generally equivalent and low concentrations, and its presence in indoor air, as with other buildings in the monitoring program, is due to outdoor air entering the building. Low levels of PCE and trans-1,2-DCE were also identified in one indoor air sample each but sub-slab soil vapor concentrations for both compounds were either very low or below laboratory reporting limits.

Due to the identification of a former UST near this building (abandoned in place in 2023, and documented in a Tank Closure Report [EnSafe, 2023]), petroleum hydrocarbons were evaluated in more detail. Concentrations of petroleum hydrocarbons (BTEX) were detected in the sub-slab soil vapor samples at generally the same concentrations over the past three sampling events. Although BTEX concentrations are also observed in indoor air, they are relatively low and likely due to building use and chemical storage/use. The building survey indicated some storage of petroleum-related products, such as vinyl cement and heat transfer oil, that may contribute to indoor air concentrations of petroleum hydrocarbons.

Carrier plans to conduct additional sampling at TR-5A in the upcoming winter 2025-2026 monitoring event.

The winter 2024-2025 results for Building TR-5A are summarized in Table 3 and depicted on Figure 4. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 12 below. In addition, given the presence of the former UST, each of the results were evaluated with the aid of NYSDOH decision matrix ranges from Matric D, E, and F also summarized in Table 12 below.

TABLE 12
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-5A
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR5A-SSV/IA-1 - 1,1-DCE, cis-1,2-DCE, TCE TR5A-SSV/IA-2 - 1,1-DCE, cis-1,2-DCE, TCE	TR5A-SSV/IA-1 - CT TR5A-SSV/IA-2 - CT	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR5A-SSV/IA-1 - All TR5A-SSV/IA-2 - All	NONE	NONE
	100 - 1000	NONE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR5A-SSV/IA-1 - All TR5A-SSV/IA-2 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

TABLE 12
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-5A
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix D BZ: Benzene EB: Ethylbenzene OX: o-Xylene		**Indoor Air**		
		< 2	**2 - 20**	**> 20**
Soil Gas	**< 60**	TR5A-SSV/IA-1 - All TR5A-SSV/IA-2 - BZ	NONE	NONE
	60 - 600	TR5A-SSV/IA-2 - OX	NONE	NONE
	> 600	TR5A-SSV/IA-2 - EB	NONE	NONE

Matrix E MPX: m,p-Xylene		**Indoor Air**		
		< 6	**6 - 20**	**> 20**
Soil Gas	**< 200**	TR5A-SSV/IA-1 - All	NONE	NONE
	200 - 2000	TR5A-SSV/IA-2 - All	NONE	NONE
	> 2000	NONE	NONE	NONE

Matrix F TOL: Toluene		**Indoor Air**		
		< 10	**10 - 50**	**> 50**
Soil Gas	**< 300**	TR5A-SSV/IA-1 - All TR5A-SSV/IA-2 - All	NONE	NONE
	300 - 3000	NONE	NONE	NONE
	> 3000	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.4 BUILDING TR-6A

Building TR-6A is a former maintenance storage shed that transitioned to an equipment storage unit for the facility's heating, ventilation, and air conditioning (HVAC) system and refrigeration R&D unit. The building was predominantly empty during the 2024-2025 sampling event. The northern portion of the building was previously used to store cleaning chemicals and gasoline-powered maintenance equipment, such as all-terrain vehicles (ATVs) and lawnmowers; however, this equipment is no longer stored in this building. The southern portion of the building was previously used to store similar gasoline-powered vehicles, but also included snowblowers, weed whackers, and lawn tractors; however, this equipment is also no longer stored in this building. The building is infrequently occupied and currently houses a number of commercial and residential HVAC condensers and air-handling units. There continues to be no employee offices, breakrooms, or kitchen spaces in this building.

For the winter 2024-2025 sampling event, concentrations of TCE were 8.76 µg/m^3 in sub-slab soil vapor and not detected above its reporting limit of 0.107 µg/m^3 in indoor air. Carbon tetrachloride was again observed at concentrations similar to outdoor air concentrations and likely due to outdoor air entering the building. Similar to previous years, PCE was detected at a low level in indoor air, as well as in soil vapor. Other CVOCs identified in sub-slab soil vapor were not identified in indoor air.

In general, the winter 2024-2025 findings are consistent with previous monitoring results for Building TR-6A. Based on the results to date, Carrier will continue to conduct annual VI monitoring of Building TR-6A in the winter heating season for 2025-2026.

The winter 2024-2025 results for Building TR-6A are summarized in Table 4 and depicted on Figure 5. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 13 below.

TABLE 13
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-6A
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR6A-SSV/IA-1 - 1,1-DCE, cis-1,2-DCE	NONE	NONE
	6 - 60	TR6A-SSV/IA-1 - TCE	TR6A-SSV/IA-1 - CT	NONE
	> 60	NONE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR6A-SSV/IA-1 - MC	NONE	NONE
	100 - 1000	TR6A-SSV/IA-1 - 1,1,1-TCA, PCE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR6A-SSV/IA-1 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.5 BUILDING TR-7

Building TR-7 is currently used for office, laboratory and warehouse space and the annual VI monitoring program sampling is primarily focused in the office areas.

For the Winter 2024-2025 sampling event, concentrations of TCE in sub-slab soil vapor in Building TR-7 ranged from 3.04 µg/m^3 to 39.6 µg/m^3, but indoor air concentrations were below the reporting limit of 0.107 µg/m^3. Carbon tetrachloride was detected in indoor air and outdoor air at generally equivalent concentrations, and its presence in indoor air is likely due to infiltration of outdoor air. Other CVOCs identified in sub-slab soil vapor were not identified in indoor air.

In general, the winter 2024-2025 findings are consistent with historical monitoring results for Building TR-7. Based on the results, Carrier will continue to conduct annual monitoring of Building TR-7 in the winter heating season for 2025-2026. Concurrent with sampling, Carrier will evaluate the floors for cracks and penetrations where accessible and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-7 are summarized in Table 5 and depicted on Figure 6. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 14 below.

TABLE 14
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-7
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR7-SSV/IA-1 - 1,1-DCE, cis-1,2-DCE TR7-SSV/IA-2 - 1,1-DCE, cis-1,2-DCE TR7-SSV/IA-3 - 1,1-DCE, cis-1,2-DCE TR7-SSV/IA-4 - 1,1-DCE TR7-SSV/IA-5 - 1,1-DCE, cis-1,2-DCE, TCE TR7-SSV/IA-6 - 1,1-DCE, cis-1,2-DCE	TR7-SSV/IA-1 - CT TR7-SSV/IA-2 - CT TR7-SSV/IA-3 - CT TR7-SSV/IA-4 - CT TR7-SSV/IA-5 - CT TR7-SSV/IA-6 - CT	NONE
	6 - 60	TR7-SSV/IA-1 - TCE TR7-SSV/IA-2 - TCE TR7-SSV/IA-3 - TCE TR7-SSV/IA-4 - cis-1,2-DCE, TCE TR7-SSV/IA-6 - TCE	NONE	NONE
	> 60	NONE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR7-SSV/IA-1 - All TR7-SSV/IA-2 - All TR7-SSV/IA-3 - All TR7-SSV/IA-4 - All TR7-SSV/IA-5 - All TR7-SSV/IA-6 - All	NONE	NONE
	100 - 1000	NONE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR7-SSV/IA-1 - All TR7-SSV/IA-2 - All TR7-SSV/IA-3 - All TR7-SSV/IA-4 - All TR7-SSV/IA-5 - All TR7-SSV/IA-6 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.6 BUILDING TR-8

Building TR-8 was originally built for engine testing but was most recently used for records retention (i.e., paper file storage). In 2024, the building was empty of files and unoccupied. Samples were collected in July and December 2024. This building was added to the VI sampling program this year due to anticipated future occupancy as an office/lab space. In July 2024, the building was empty and unoccupied, and in December 2024, the building was still empty but was undergoing active renovations.

The July 2024 indoor air samples were collected in Building TR-8 with the HVAC system off after the building was vacated and prior to renovations. Only indoor air and outdoor air samples were collected at this time (i.e., no sub-slab soil vapor samples were collected). Low levels of TCE were detected in each of the indoor air samples ranging from 0.134 µg/m^3 to 0.21 µg/m^3. Concentrations of 1,1,1-TCA were detected above the laboratory reporting limit in two indoor air samples, but concentrations were low at 0.125 µg/m^3 and 0.25 µg/m^3. Low levels of carbon tetrachloride were detected in the indoor and outdoor air samples at equivalent concentrations, indicating outdoor air influence on the indoor air.

In December 2024, active renovations were occurring in Building TR-8, and activities were paused to allow for sub-slab soil vapor and indoor air sampling. During this event, concentrations of TCE in sub-slab soil vapor ranged from 3.04 µg/m^3 to 1,400 µg/m^3 and detected at low levels, below 1 µg/m^3, in the respective indoor air samples (0.742 µg/m^3 to 0.795 µg/m^3). Concentrations of TCE were also observed at similar concentrations on the second floor (0.806 µg/m^3). As with the other buildings on campus, concentrations of carbon tetrachloride indoor air are similar to outdoor air concentrations indicating influence on indoor air from outdoor air. Low levels of other CVOCs, cis-1,2-DCE, 1,1,1-TCA, PCE, and VC were detected in indoor air but associated with either low levels in the sub-slab soil vapor or concentrations below laboratory reports limits in the sub-slab soil vapor. Concentrations of PCE in indoor air may also be influenced by outdoor air, as PCE was also observed in the companion outdoor air sample. These CVOCs are similar to levels observed on campus and do not indicate a VI pathway of concern.

In general, the July 2024 and winter 2024-2025 findings show a decrease in concentrations in indoor air since historical monitoring events in 2017, 2018, and 2019. Based on the results, and the presumed occupation of TR-8 anticipated in 2025, Carrier will conduct an additional round of VI monitoring of Building TR-8 in the winter heating season for 2025-2026 after renovations are completed as previously was agreed to with NYSDEC (Note if renovations are not completed, the sampling will be delayed until after completion). That sampling will evaluate if the modified HVAC system within the renovated building addresses potential VI issues or if additional actions are necessary to address exposure. Concurrent with sampling, Carrier will evaluate the floors for cracks and penetrations and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-8 are summarized in Table 6 and depicted on Figure 7. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 15 below.

TABLE 15
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-8
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR8-SSV/IA-8 - 1,1-DCE TR8-SSV/IA-9 - 1,1-DCE TR8-SSV/IA-10 - 1,1-DCE, cis-1,2-DCE	TR8-SSV/IA-8 - cis-1,2-DCE, CT TR8-SSV/IA-9 - CT TR8-SSV/IA-10 - CT, TCE	NONE
	6 - 60	TR8-SSV/IA-9 - cis-1,2-DCE	NONE	NONE
	> 60	NONE	TR8-SSV/IA-8 - TCE TR8-SSV/IA-9 - TCE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR8-SSV/IA-8 - PCE, MC TR8-SSV/IA-9 - All TR8-SSV/IA-10 - All	NONE	NONE
	100 - 1000	TR8-SSV/IA-9 - 1,1,1-TCA	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR8-SSV/IA-8 - All TR8-SSV/IA-9 - All TR8-SSV/IA-10 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.7 BUILDING TR-12

Building TR-12 is used as a machine shop for prototype development, with petroleum-based lubricants, VOC-based aerosol paints, and other products identified during indoor air sampling building surveys. For the winter 2024-2025 sampling event, one sample was collected in this building. TCE in the sub-slab soil vapor was observed at 159 µg/m^3, and the indoor air concentration was 0.64 µg/m^3. In addition to TCE, cis-1,2-DCE, 1,1,1-TCA, PCE, VC, and trans-1,2-DCE were detected in the indoor air but concentrations in sub-slab soil vapor were either low or below laboratory reporting limits, indicating the VI pathway is not of concern. There is also the potential that several CVOCs are present in indoor air due to background indoor air sources from the paints and cleaners stored in the area. Carbon tetrachloride is present in indoor air and in the companion outdoor air samples at similar levels and, as stated previously, its presence in indoor air is due to infiltration of outdoor air.

In general, the winter 2024-2025 findings are consistent with historical monitoring results for Building TR-12. Based on the results, Carrier will continue to conduct annual VI monitoring of Building TR-12 in the winter heating season for 2025-2026. Concurrent with sampling, Carrier will evaluate the floors for cracks and penetrations and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-12 are summarized in Table 7 and depicted on Figure 8. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 16 below.

TABLE 16
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-12
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR12-SSV/IA-1 - 1,1-DCE	TR12-SSV/IA-1 - CT	NONE
	6 - 60	NONE	TR12-SSV/IA-1 - cis-1,2-DCE	NONE
	> 60	NONE	TR12-SSV/IA-1 - TCE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR12-SSV/IA-1 - All	NONE	NONE
	100 - 1000	NONE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR12-SSV/IA-1 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.8 BUILDING TR-19

Building TR-19 includes active laboratory testing operations, and the floor is sealed with an epoxy coating. For the winter 2024-2025 sampling event, concentrations of TCE in sub-slab soil vapor ranged from below the reporting limit of 1.07 µg/m^3 to 246 µg/m^3. TCE in indoor air was below the reporting limit of 0.107 µg/m^3 in each of the samples. Carbon tetrachloride was detected in indoor air and outdoor air at generally equivalent concentrations, and its presence in indoor air is due to infiltration of outdoor air. Low levels of PCE and trans-1,2-DCE were detected in indoor air samples while concentrations in the sub-slab were either low levels or below laboratory reporting limits, indicating the VI pathway is not of concern. Low levels of other CVOCs were identified in sub-slab soil vapor but were not identified in indoor air.

In general, the winter 2024-2025 findings are consistent with historical monitoring results for Building TR-19. Based on the results, Carrier will continue to conduct annual VI monitoring of Building TR-19 in the winter heating season for 2025-2026. Concurrent with sampling, Carrier will evaluate the floors for cracks and penetrations where accessible and will update the indoor air quality questionnaire and building inventory.

The winter 2024-2025 results for Building TR-19 are summarized in Table 8 and depicted on Figure 9. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 17 below.

TABLE 17
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-19
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR19-SSV/IA-4 - 1,1-DCE TR19-SSV/IA-5 - 1,1-DCE, cis-1,2-DCE, TCE TR19-SSV/IA-7 - 1,1-DCE	TR19-SSV/IA-4 - CT TR19-SSV/IA-5 - CT TR19-SSV/IA-7 - CT	NONE
	6 - 60	TR19-SSV/IA-7 - cis-1,2-DCE	NONE	NONE
	> 60	TR19-SSV/IA-4 - cis-1,2-DCE, TCE TR19-SSV/IA-7 - TCE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR19-SSV/IA-4 - All TR19-SSV/IA-5 - All TR19-SSV/IA-7 - All	NONE	NONE
	100 - 1000	NONE	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR19-SSV/IA-4 - All TR19-SSV/IA-5 - All TR19-SSV/IA-7 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.9 BUILDING TR-23

Building TR-23 is currently used for storage and is connected to Building TR-8 via a 30-foot-long hallway. This building is currently slated for potential future renovations similar to TR-8, however, no specific occupation timeframe is planned. Building TR-23 has been added to the annual sampling program due to this anticipated future occupancy to better ascertain building conditions. During the winter 2024-2025 reporting period, concentrations of TCE in sub-slab soil vapor was 404 µg/m^3 and the TCE indoor air concentration was 0.172 µg/m^3.

Carbon tetrachloride was detected in indoor air and outdoor air at generally equivalent concentrations, and its presence in indoor air is due to infiltration of outdoor air. Concentrations in indoor air of PCE and trans-1,2-DCE are also generally equivalent to concentrations observed in the companion outdoor air sample and are also likely influenced by infiltrating outdoor air. Sub-slab soil vapor concentrations of PCE and trans-1,2-DCE are relatively low. Low levels of other CVOCs were identified in sub-slab soil vapor but were not identified in indoor air.

Based on the results, and the presumed occupation of TR-23 anticipated in 2025, Carrier will conduct one additional round of VI monitoring of Building TR-23 in the winter heating season for 2025-2026 following completion of the renovations.

The winter 2024-2025 results for Building TR-23 are summarized in Table 9 and depicted on Figure 10. The evaluation of the results is aided by presentation of each sample result assigned to NYSDOH decision matrix ranges from Matrix A, B, and C, as summarized in Table 18 below.

TABLE 18
EVALUATION OF ANALYTICAL RESULTS - BUILDING TR-23
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Matrix A 1,1-DCE: 1,1-Dichloroethene cis-1,2-DCE: cis-1,2-Dichloroethene CT: Carbon Tetrachloride TCE: Trichloroethene		**Indoor Air**		
		< 0.2	**0.2 - 1**	**> 1**
Soil Gas	**< 6**	TR23-SSV/IA-1 - 1,1-DCE	TR23-SSV/IA-1 - CT	NONE
	6 - 60	NONE	NONE	NONE
	> 60	TR23-SSV/IA-1 - cis-1,2-DCE, TCE	NONE	NONE

Matrix B 1,1,1-TCA: 1,1,1-Trichloroethane PCE: Tetrachloroethene MC: Methylene Chloride		**Indoor Air**		
		< 3	**3 - 10**	**> 10**
Soil Gas	**< 100**	TR23-SSV/IA-1 - PCE, MC	NONE	NONE
	100 - 1000	TR23-SSV/IA-1 - 1,1,1-TCA	NONE	NONE
	> 1000	NONE	NONE	NONE

Matrix C VC: Vinyl Chloride		**Indoor Air**		
		< 0.2	**NA**	**> 0.2**
Soil Gas	**< 6**	TR23-SSV/IA-1 - All	NONE	NONE
	6 - 60	NONE	NONE	NONE
	> 60	NONE	NONE	NONE

Notes and Abbreviations:
µg/m3: micrograms per cubic meter
Criteria displayed in µg/m3.

4.10 PETROLEUM HYDROCARBONS

The Site has been the subject for several years of comprehensive environmental assessments for soil, groundwater, sub-slab soil vapor, and indoor air. Petroleum compounds are not the primary contaminants of concern for the Site but have been included among the target analytes to better understand their potential contribution to VI at the Site. These compounds, which are ubiquitous in indoor air as a background constituent, can also confound VI investigations. This is especially the case in industrial and commercial settings such as this facility, which uses powered industrial vehicles (PIVs) that operate indoors on gasoline, diesel, and propane fuels. In addition, the facility develops and tests tractor trailer refrigeration units inside Building TR-19, which use petroleum fuels and have numerous other indoor sources of petroleum products and internal use of combustion engines. BTEX constituents in sub-slab soil vapor where generally low.

Carrier will continue to monitor for the target hydrocarbons in the upcoming winter 2025-2026 sampling round.

5. Conclusions and Recommendations

Potential VI has been investigated over time in up to 18 buildings on the Site and nine of those buildings continued to be monitored during this winter 2024-2025 event. The sampling efforts to date have included the collection of at least 230 sub-slab soil vapor samples and at least 230 indoor air samples. Based on historical findings, Carrier coordinated with NYSDEC and NYSDOH and installed active mitigation systems in six buildings: TR-6, TR-18, TR-18S, the SWTP, and portions of TR-4 and TR-20.

In addition to full or partial mitigation system installation in six buildings, five buildings have been demolished since VI investigations have begun, including three under which significant source areas were identified. In coordination with NYSDEC and NYSDOH, nine Site buildings were included in the winter 2024-2025 VI monitoring program, which included sampling at TR-5A as requested by NYSDEC, and sampling at two buildings that are slated for occupation in 2025 (TR-8 and TR-23).

Based on the results, TCE and other residual contaminants remain in sub-slab soil vapor. Concentrations are consistent with historical sampling results and have not indicated a VI pathway of concern at the nine buildings evaluated. Based on data described in this report in Section 4, continued soil vapor and indoor air monitoring is planned for the 2025-2026 winter heating season at select locations in six buildings remaining in the VI monitoring program (TR-4, TR-5, TR-6A, TR-7, TR-12, and TR-19) as well as TR-5A, TR-8, and TR-23.

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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-4
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation													
Monitor One Additional Year													
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR4-OA	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-4AS	TR4-IA-4AI
Sample Date							12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-20	L2473696-21	L2473696-22	L2473696-23	L2473696-24	L2473696-25	L2473696-26
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs													
Matrix A													
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	**3.63**	0.079 U	0.793 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.554**	**1.27**	**0.547**	1.26 U	**0.516**	1.26 U	**0.541**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**78.5**	**0.129**	**8.81**	**0.129**	**23.1**	0.107 U
Matrix B													
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**33**	0.109 U	**4.76**	0.109 U	**1.44**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.163**	**1.9**	**0.373**	1.36 U	**0.19**	**1.59**	**0.163**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C													
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U
Other													
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	0.809 U	0.081 U	**5.46**	0.081 U	0.809 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**0.079**	0.793 U	**0.103**	0.793 U	**0.087**	0.793 U	**0.301**
Non-Chlorinated VOCs													
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.674**	**0.773**	**0.68**	0.639 U	**0.799**	0.639 U	**0.658**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.161**	0.869 U	**0.365**	0.869 U	**0.204**	0.869 U	**0.217**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.334**	1.74 U	**1.21**	1.74 U	**0.652**	1.74 U	**0.712**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.139**	0.869 U	**0.434**	0.869 U	**0.382**	0.869 U	**0.326**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.659**	0.754 U	**0.969**	**0.844**	**1.07**	**1.16**	**0.871**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**0.473**	0.869 U	**1.65**	0.869 U	**1.03**	0.869 U	**1.04**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-5
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation															
Monitor One Additional Year															
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR5-OA	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-2AS	TR5-SSV-2AS	TR5-IA-2AI	TR5-IA-2AI	TR5-SSV-3AS	TR5-IA-3AI
Sample Date							12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample
Lab Sample ID							L2473696-51	L2473696-41	L2473696-42	L2473696-43	L2473696-52	L2473696-44	L2473696-53	L2473696-45	L2473696-46
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs															
Matrix A															
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.484**	**10.2**	**0.434**	1.26 U	1.26 U	**0.478**	**0.434**	1.26 U	**0.491**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**28.9**	**0.118**	**113**	**103**	**0.118**	**0.156**	**74.7**	0.107 U
Matrix B															
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**135**	0.109 U	**5.67**	**5.2**	0.109 U	**0.115**	**72.6**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	1.36 U	0.136 U	**3.07**	**3.17**	0.136 U	0.136 U	**1.7**	0.136 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C															
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	0.511 U	0.511 U	0.051 U	0.051 U	0.511 U	0.051 U
Other															
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	0.809 U	0.081 U	0.809 U	0.809 U	0.081 U	0.081 U	0.809 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	0.793 U	0.793 U	0.079 U	**0.083**	0.793 U	0.079 U
Non-Chlorinated VOCs															
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.409**	0.639 U	**0.409**	**0.99**	**0.962**	**0.636**	**0.687**	**0.789**	**0.441**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	0.869 U	**0.308**	**66.9**	**62.1**	**0.352**	**0.4**	**2.26**	**0.235**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.182**	**1.79**	**0.552**	**232**	**216**	**1.23**	**1.42**	**8.77**	**0.877**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.087**	**0.869**	**0.208**	**136**	**127**	**0.491**	**0.612**	**4.6**	**0.395**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	0.377 U	**1.07**	**0.599**	**38.8**	**36.3**	**1.43**	**1.7**	**4.75**	**0.814**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**0.269**	**2.65**	**0.76**	**368**	**343**	**1.72**	**2.04**	**13.4**	**1.27**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-5
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation										
Monitor One Additional Year										
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-5AS	TR5-IA-5AI
Sample Date							12/13/2024	12/13/2024	12/13/2024	12/13/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-47	L2473696-48	L2473696-49	L2473696-50
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs										
Matrix A										
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	1.59 U	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**1.62**	0.079 U	0.793 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**11.9**	**0.44**	1.26 U	**0.491**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**785**	**0.726**	**15.6**	**0.22**
Matrix B										
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**633**	**1.21**	**7.91**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**3.05**	**0.617**	**69.8**	**0.502**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	3.47 U	1.74 U	1.74 U	1.74 U
Matrix C										
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	1.02 U	0.051 U	0.511 U	0.051 U
Other										
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	**1.9**	**0.105**	0.809 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**29.5**	**0.833**	**2.12**	**4.2**
Non-Chlorinated VOCs										
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.17**	**11.1**	0.639 U	**0.444**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**49.5**	**10.3**	0.869 U	**0.308**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**67.3**	**39.9**	1.74 U	**1.15**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**251**	**15.1**	0.869 U	**0.361**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**21.1**	**38.8**	**1.16**	**2.39**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**318**	**54.7**	0.869 U	**1.51**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 3
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-5A
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation												
Monitor One Additional Year ; Not Included in VI Program												
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR19-OA	TR5A-SSV-1AS	TR5A-IA-1AI	TR5A-IA-1AI	TR5A-SSV-2AS	TR5A-IA-2AI
Sample Date							12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024
Sample Type							Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample
Lab Sample ID							L2473696-37	L2473696-33	L2473696-34	L2473696-40	L2473696-35	L2473696-36
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs												
Matrix A												
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.079 U	1.65 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.079 U	1.65 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.522**	1.26 U	**0.528**	**0.541**	2.62 U	**0.56**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	1.07 U	0.107 U	0.107 U	**4.07**	0.107 U
Matrix B												
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	1.09 U	0.109 U	0.109 U	2.28 U	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	1.36 U	0.136 U	**0.142**	**4.79**	0.136 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	3.61 U	1.74 U
Matrix C												
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	0.051 U	1.07 U	0.051 U
Other												
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	0.809 U	0.081 U	0.081 U	1.69 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	**0.139 J**	0.079 UJ	1.65 U	0.079 U
Non-Chlorinated VOCs												
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.323**	**0.677**	**0.425**	**0.335**	**2.49**	**0.364**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	**45.2**	**0.517**	**0.543**	**751**	**0.591**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	0.174 U	**103**	**1.92**	**1.95**	**1350**	**2.11**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	**17.7**	**0.63**	**0.482**	**478**	**0.543**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	0.377 U	**6.86**	**1.7**	**1.51**	**28.7**	**2.59**
Xylene (Total)	NS	NS	NS	NS	NS	NS	0.087 U	**120**	**2.55**	**2.43**	**1830**	**2.65**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR19-OA is the companion outdoor air sample for TR-5A

TABLE 4
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-6A
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation									
Monitor One Additional Year									
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR7-OA	TR6A-SSV-1AS	TR6A-IA-1AI
Sample Date							12/10/2024	12/10/2024	12/10/2024
Sample Type							Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-13	L2473696-14	L2473696-15
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	1.65 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	1.65 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.541**	**33.6**	**0.528**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**8.76**	0.107 U
Matrix B									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**611**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	**203**	**0.156**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	3.61 U	1.74 U
Matrix C									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	1.07 U	0.051 U
Other									
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	1.69 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	1.65 U	0.079 U
Non-Chlorinated VOCs									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.664**	1.33 U	**0.741**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.282**	1.81 U	**0.76**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.925**	3.62 U	**3.19**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.252**	1.81 U	**1.23**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.757**	1.57 U	**1.06**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**1.18**	1.81 U	**4.43**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR7-OA is the companion outdoor air sample for TR-6A

TABLE 5
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-7
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation														
Monitor One Additional Year														
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR7-OA	TR7-SSV-1AS	TR7-SSV-1AS	TR7-IA-1AI	TR7-IA-1AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-3AS
Sample Date							12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024
Sample Type							Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-13	L2473696-01	L2473696-18	L2473696-02	L2473696-19	L2473696-11	L2473696-12	L2473696-05
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs														
Matrix A														
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U	0.793 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**1.89 J**	**1.13 J**	0.079 U	0.079 U	0.793 U	0.079 U	0.793 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.541**	1.26 U	1.26 U	**0.497**	**0.535**	**1.26**	**0.522**	1.26 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**18.1 J**	**6.45 J**	0.107 U	0.107 U	**19**	0.107 U	**6.02**
Matrix B														
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**5.67 J**	**2.41 J**	0.109 U	0.109 U	**22.7**	0.109 U	**1.11**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	1.36 U	1.36 U	0.136 U	0.136 U	1.36 U	0.136 U	1.36 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C														
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.511 U	0.051 U	0.051 U	0.511 U	0.051 U	0.511 U
Other														
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	**2.23 J**	**0.923 J**	0.081 U	0.081 U	**7**	0.081 U	0.809 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U	0.793 U
Non-Chlorinated VOCs														
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.664**	**1.57**	**1.1**	**0.712**	**0.719**	**1.01**	**0.693**	0.639 U
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.282**	0.869 U	0.869 U	**0.339**	**0.356**	**77.3**	**0.326**	0.869 U
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.925**	**2.86 J**	**1.88 J**	**1.16**	**1.2**	**187**	**1.04**	1.74 U
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.252**	**1.74 J**	**0.995 J**	**0.343**	**0.378**	**138**	**0.295**	**1.14**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.757**	**2.87**	**2.08**	**0.878**	**0.923**	**2.65**	**1.05**	**1.08**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**1.18**	**4.6 J**	**2.87 J**	**1.5**	**1.58**	**324**	**1.33**	**1.14**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 5
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-7
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation													
Monitor One Additional Year													
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR7-IA-3AI	TR7-SSV-4AS	TR7-IA-4AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-6AS	TR7-IA-6AI
Sample Date							12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-06	L2473696-03	L2473696-04	L2473696-07	L2473696-08	L2473696-09	L2473696-10
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs													
Matrix A													
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**17.7**	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.522**	1.26 U	**0.535**	1.26 U	**0.528**	**1.32**	**0.522**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**39.6**	0.107 U	**3.04**	0.107 U	**10.5**	0.107 U
Matrix B													
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**8.35**	0.109 U	**3.51**	0.109 U	**8.62**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	1.36 U	0.136 U	1.36 U	0.136 U	1.36 U	0.136 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C													
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U
Other													
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	**16**	0.081 U	0.809 U	0.081 U	0.809 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
Non-Chlorinated VOCs													
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.7**	**0.661**	**0.69**	0.639 U	**0.706**	**0.754**	**0.693**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.308**	**0.96**	**0.317**	0.869 U	**0.313**	**2.36**	**0.326**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**1.03**	**3.68**	**1.09**	**2.95**	**1.06**	**9.9**	**1.08**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.308**	**2.13**	**0.326**	**1**	**0.308**	**4.86**	**0.313**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.874**	**2.41**	**0.916**	**1.25**	**0.886**	**4.82**	**0.852**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**1.34**	**5.82**	**1.42**	**3.95**	**1.37**	**14.8**	**1.39**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 6
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-8
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation														
Monitor One Additional Year after HVAC System modifications; Not Included in VI Program														
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			OA-1-070524	TR8-IA-2AI	TR8-IA-3AI	TR8-IA-4AI	TR8-IA-5AI	TR8-IA-6AI	TR4-OA	TR8-SSV-8AS
Sample Date							07/05/2024	07/05/2024	07/05/2024	07/05/2024	07/05/2024	07/05/2024	12/11/2024	12/11/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2438101-07	L2438101-02	L2438101-03	L2438101-04	L2438101-05	L2438101-06	L2473696-20	L2473695-01
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Outdoor Air	Subslab Vapor
Chlorinated VOCs														
Matrix A														
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.079 U	0.793 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	**1.64**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.535**	**0.56**	**0.541**	**0.616**	**0.528**	**0.742**	**0.554**	1.26 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**0.199**	**0.172**	**0.21**	**0.14**	**0.134**	0.107 U	**61.8**
Matrix B														
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	0.109 U	**0.24**	0.109 U	**0.125**	0.109 U	0.109 U	**82.4**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	0.163	**2.67**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C														
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U
Other														
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.081 U	**5.34**
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	**0.079**	0.793 U
Non-Chlorinated VOCs														
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.319 U	**0.377**	**0.335**	**0.377**	**0.364**	**0.335**	**0.674**	**14.5**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	**0.343**	**0.534**	**0.347**	**0.226**	**0.395**	**0.161**	**1.82**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	0.174 U	**1.55**	**2.47**	**1.55**	**0.938**	**1.72**	**0.334**	**9.73**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	**0.986**	**1.32**	**0.921**	**0.56**	**0.843**	**0.139**	**3.64**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	0.377 U	**2.61**	**2.12**	**2.57**	**1.85**	**1.62**	**0.659**	**17.6**
Xylene (Total)	NS	NS	NS	NS	NS	NS	0.087 U	**2.54**	**3.8**	**2.47**	**1.5**	2.56	**0.473**	**13.4**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR4-OA is the companion outdoor air sample for TR-8 December sampling

TABLE 6
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-8
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation												
Monitor One Additional Year after HVAC System modifications; Not Included in VI Program												
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR8-IA-8AI	TR8-SSV-9AS	TR8-IA-9AI	TR8-SSV-10AS	TR8-IA-10AI	TR8-IA-11AI
Sample Date							12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024	12/11/2024
Sample Type							Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473709-01	L2473695-02	L2473709-02	L2473695-03	L2473709-03	L2473709-04
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Chlorinated VOCs												
Matrix A												
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.21**	**17.6**	**0.174**	0.793 U	**0.186**	**0.19**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.434**	**2.8**	**0.491**	1.26 U	**0.491**	**0.484**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.742**	**1400**	**0.795**	**3.04**	**0.79**	**0.806**
Matrix B												
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.295**	**415**	**0.327**	**44.1**	**0.404**	**0.306**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.183**	**35**	**0.17**	**1.42**	**0.19**	**0.197**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C												
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	**0.074**	0.511 U	0.051 U	0.511 U	0.051 U	**0.069**
Other												
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	**0.146**	**28.8**	**0.154**	0.809 U	**0.174**	**0.15**
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U	**0.099**
Non-Chlorinated VOCs												
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**3.26**	**1.57**	**2.04**	**0.767**	**1.5**	**3.29**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.29**	0.869 U	**1.19**	0.869 U	**1.09**	**1.26**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**5.56**	**3.72**	**4.91**	1.74 U	**4.52**	**5**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.25**	**1.46**	**1.9**	0.869 U	**1.75**	**1.89**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**7.05**	**2.8**	**5.09**	**1.35**	**4.03**	**8.33**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**7.77**	**5.17**	**6.78**	0.869 U	**6.3**	**6.86**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR4-OA is the companion outdoor air sample for TR-8 December sampling

TABLE 7
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-12
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation									
Monitor One Additional Year									
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR7-OA	TR12-SSV-1AS	TR12-IA-1AI
Sample Date							12/10/2024	12/10/2024	12/10/2024
Sample Type							Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-13	L2473696-16	L2473696-17
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	7.73 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**38.9**	**0.325**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.541**	12.3 U	**0.623**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**159**	**0.64**
Matrix B									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	10.6 U	**0.677**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	13.2 U	**0.563**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	17 U	1.74 U
Matrix C									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	4.98 U	**0.09**
Other									
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	7.89 U	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	7.73 U	**0.095**
Non-Chlorinated VOCs									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.664**	6.23 U	**0.866**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.282**	8.47 U	**0.556**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.925**	16.9 U	**1.74**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.252**	8.47 U	**0.56**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.757**	7.35 U	**2.58**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**1.18**	8.47 U	**2.3**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR7-OA is the companion outdoor air sample for TR-12

TABLE 8
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-19
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

Building Recommendation															
Monitor One Additional Year															
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR19-OA	TR19-SSV-4AS	TR19-SSV-4AS	TR19-IA-4AI	TR19-IA-4AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-7AS	TR19-IA-7AI
Sample Date							12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024
Sample Type							Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-37	L2473696-29	L2473696-38	L2473696-30	L2473696-39	L2473696-31	L2473696-32	L2473696-27	L2473696-28
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs															
Matrix A															
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	0.793 U	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**277**	**294**	0.079 U	0.079 U	0.793 U	0.079 U	**7.26**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.522**	1.26 U	1.26 U	**0.554**	**0.572**	1.26 U	**0.547**	1.26 U	**0.56**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**165**	**171**	0.107 U	0.107 U	1.07 U	0.107 U	**246**	0.107 U
Matrix B															
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	1.09 U	1.09 U	0.109 U	0.109 U	1.09 U	0.109 U	**18.7**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	**37.9**	**41.3**	**0.59**	**0.597**	**1.62**	**0.325**	**88.8**	**0.244**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C															
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	**5.11**	**5.83**	0.051 U	0.051 U	0.511 U	0.051 U	0.511 U	0.051 U
Other															
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	0.809 U	0.809 U	0.081 U	0.081 U	0.809 U	0.081 U	**1.56**	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	**54.7**	**58.3**	0.079 U	0.079 U	0.793 U	**0.083**	0.793 U	**0.095**
Non-Chlorinated VOCs															
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.323**	**0.952**	**0.757**	**0.76**	**0.639**	0.639 U	**0.597**	0.639 U	**0.457**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	0.869 U	**1.17**	**0.604**	**0.534**	**2.96**	**0.356**	0.869 U	**0.321**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	0.174 U	**2.65 J**	**3.89 J**	**2.27**	**2.01**	**19.7**	**1.36**	**2.48**	**1.2**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.087 U	**1.95**	**2.38**	**0.916**	**0.843**	**7.77**	**0.608**	**1.29**	**0.582**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	0.377 U	**1.33**	**1.33**	**1.79 J**	**0.908 J**	**2.2**	**0.916**	**1.73**	**1.21**
Xylene (Total)	NS	NS	NS	NS	NS	NS	0.087 U	**4.6**	**6.25**	**3.18**	**2.85**	**27.5**	**1.96**	**3.76**	**1.78**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.

TABLE 9
SUMMARY OF ANALYTICAL RESULTS - BUILDING TR-23
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NY

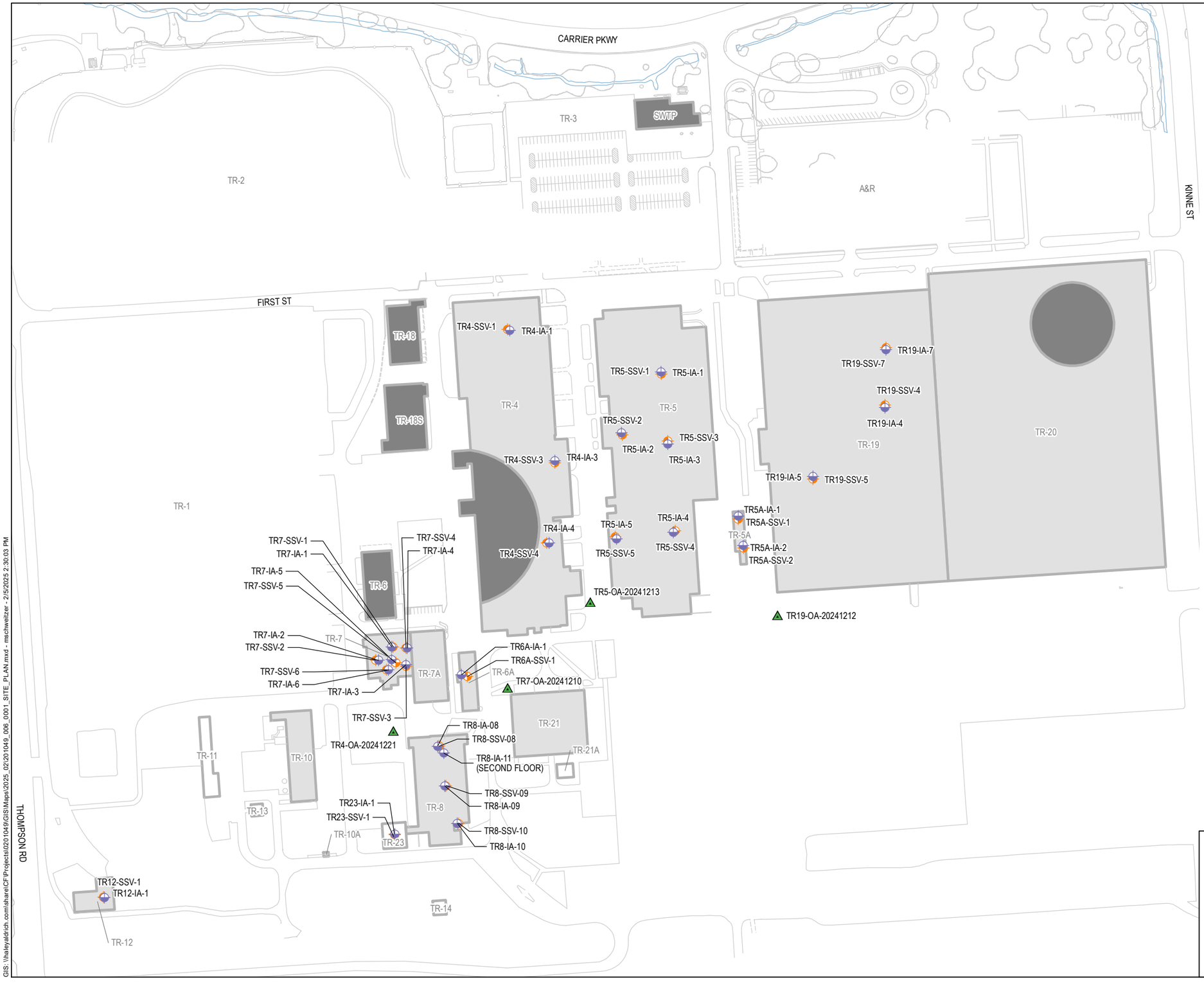
Building Recommendation									
Monitor One Additional Year after HVAC System modifications; Not Included in VI Program									
Location Name	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			TR4-OA	TR23-SSV-1AS	TR23-IA-1AI
Sample Date							12/11/2024	12/11/2024	12/11/2024
Sample Type							Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473696-20	L2473694-01	L2473694-02
Sample Matrix	**Range 1**	**Range 2**	**Range 3**	**Range 1**	**Range 2**	**Range 3**	Outdoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs									
Matrix A									
1,1-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.793 U	0.079 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**87.6**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.554**	1.26 U	**0.51**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**404**	**0.172**
Matrix B									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**197**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.163**	**5.64**	**0.156**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U
Matrix C									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U
Other									
1,1-Dichloroethane	NS	NS	NS	NS	NS	NS	0.081 U	**72.4**	0.081 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**0.079**	**87.2**	**0.079**
Non-Chlorinated VOCs									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.674**	**4.28**	**0.76**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.161**	**2.02**	**0.252**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.334**	**9.77**	**0.73**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.139**	**3.53**	**0.304**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.659**	**11.6**	**0.908**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**0.473**	**13.3**	**1.03**

Notes and Abbreviations:

µg/m3: micrograms per cubic meter
NS: No screening value

All results displayed in µg/m3.
Bold indicates a detection about the laboratory reporting limit.
Grey highlight is the outdoor air sample, included for comparison purposes.
TR4-OA is the companion outdoor air sample for TR-23

FIGURES



LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE

BUILIDNG STATUS

- OPERATING SSD SYSTEM
- OCCUPIED
- UNOCCUPIED

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. BASE MAP DATA SOURCE: AECOM, 2022

N

0 250 500

SCALE IN FEET

HALEY ALDRICH

CARRIER CORPORATION
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

SITE PLAN

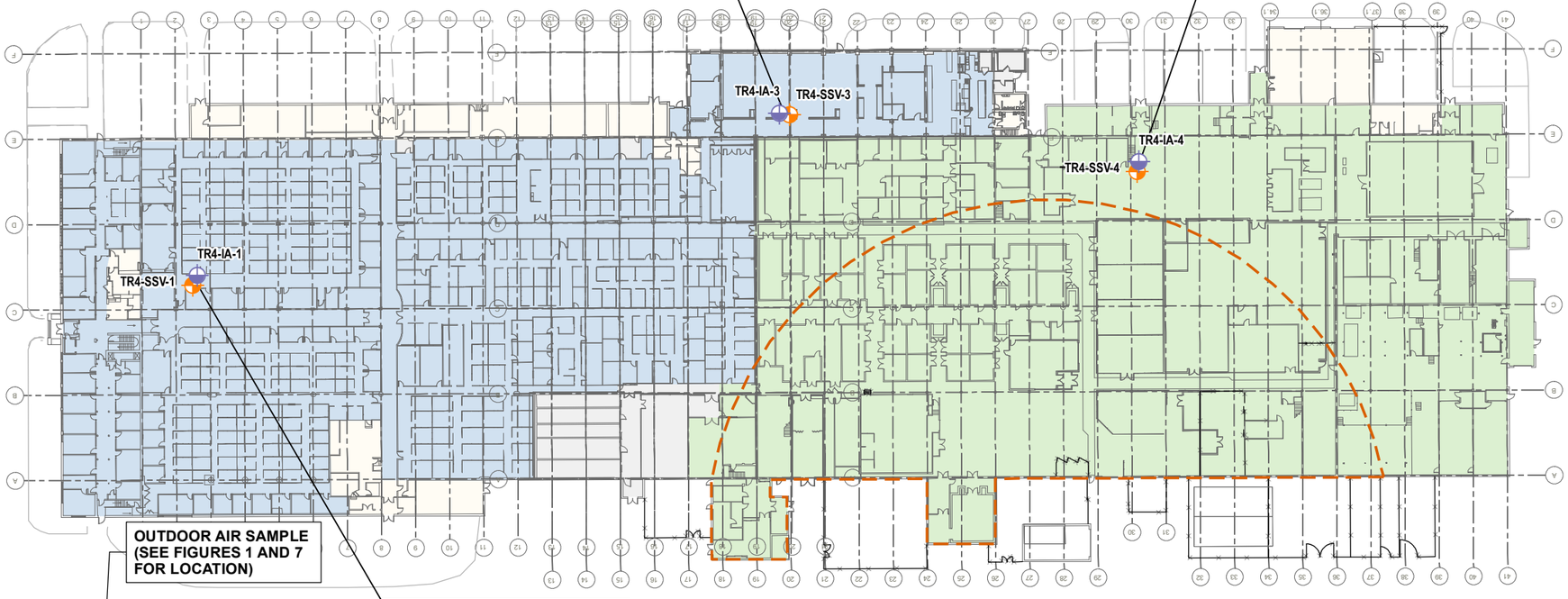
FEBRUARY 2025

FIGURE 1

GIS: \\haleyaldrich.com\shareCF\Projects\0201049\GIS\Maps\2025_02\201049_006_0001_SITE_PLAN.mxd - mschweitzer - 2/5/2025 2:30:03 PM

TR4-SSV-3/TR4-IA-3	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	3.63	< 0.079
Carbon tetrachloride	< 1.26	0.516
Trichloroethene	8.81	0.129
MATRIX B		
1,1,1-Trichloroethane	4.76	< 0.109
Tetrachloroethene	< 1.36	0.19
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	5.46	< 0.081
trans-1,2-Dichloroethene	< 0.793	0.087
Benzene	< 0.639	0.799
Ethylbenzene	< 0.869	0.204
Toluene	0.844	1.07
m,p-Xylenes	< 1.74	0.652
o-Xylene	< 0.869	0.382

TR4-SSV-4/TR4-IA-4	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.541
Trichloroethene	23.1	< 0.107
MATRIX B		
1,1,1-Trichloroethane	1.44	< 0.109
Tetrachloroethene	1.59	0.163
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	0.301
Benzene	< 0.639	0.658
Ethylbenzene	< 0.869	0.217
Toluene	1.16	0.871
m,p-Xylenes	< 1.74	0.712
o-Xylene	< 0.869	0.326



OUTDOOR AIR SAMPLE (SEE FIGURES 1 AND 7 FOR LOCATION)

TR4-OA-20241211	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.554
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	0.163
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	0.079
Benzene	0.674
Ethylbenzene	0.161
Toluene	0.659
m,p-Xylenes	0.334
o-Xylene	0.139

TR4-SSV-1/TR4-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	1.27	0.547
Trichloroethene	78.5	0.129
MATRIX B		
1,1,1-Trichloroethane	33	< 0.109
Tetrachloroethene	1.9	0.373
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	0.103
Benzene	0.773	0.68
Ethylbenzene	< 0.869	0.365
Toluene	< 0.754	0.969
m,p-Xylenes	< 1.74	1.21
o-Xylene	< 0.869	0.434

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM AREA OF INFLUENCE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES WERE COLLECTED ON 11 DECEMBER 2024. TR4-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-4 SAMPLING EVENT AND WAS COLLECTED ON 11 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. SUB-SLAB AREA OF INFLUENCE DATA SOURCE: AECOM, 2022
7. BASE MAP DATA SOURCE: AECOM, 2022

N

0 80 160
SCALE IN FEET

HALEY ALDRICH

CARRIER CORPORATION
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-4

FEBRUARY 2025

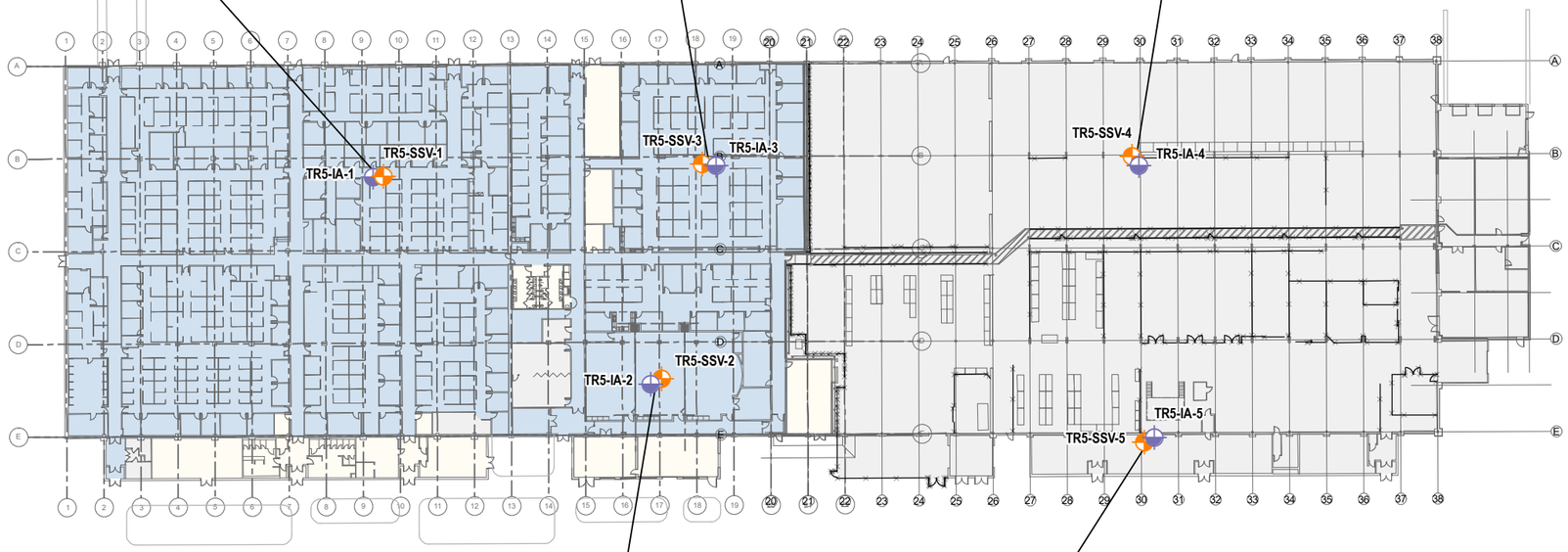
FIGURE 2

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TR5-SSV-1/TR5-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	10.2	0.434
Trichloroethene	28.9	0.118
MATRIX B		
1,1,1-Trichloroethane	135	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	< 0.639	0.409
Ethylbenzene	< 0.869	0.308
Toluene	1.07	0.599
m,p-Xylenes	1.79	0.552
o-Xylene	0.869	0.208

TR5-SSV-3/TR5-IA-3	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.491
Trichloroethene	74.7	< 0.107
MATRIX B		
1,1,1-Trichloroethane	72.6	< 0.109
Tetrachloroethene	1.7	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	0.789	0.441
Ethylbenzene	2.26	0.235
Toluene	4.75	0.814
m,p-Xylenes	8.77	0.877
o-Xylene	4.6	0.395

TR5-SSV-4/TR5-IA-4	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 1.59	< 0.079
cis-1,2-Dichloroethene	1.62	< 0.079
Carbon tetrachloride	11.9	0.44
Trichloroethene	785	0.726
MATRIX B		
1,1,1-Trichloroethane	633	1.21
Tetrachloroethene	3.05	0.617
Methylene chloride	< 3.47	< 1.74
MATRIX C		
Vinyl chloride	< 1.02	< 0.051
OTHER		
1,1-Dichloroethane	1.9	0.105
trans-1,2-Dichloroethene	29.5	0.833
Benzene	2.17	11.1
Ethylbenzene	49.5	10.3
Toluene	21.1	38.8
m,p-Xylenes	67.3	39.9
o-Xylene	251	15.1



TR5-SSV-2/TR5-IA-2	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793/< 0.793	< 0.079/< 0.079
cis-1,2-Dichloroethene	< 0.793/< 0.793	< 0.079/< 0.079
Carbon tetrachloride	< 1.26/< 1.26	0.434/0.478
Trichloroethene	103/113	0.156/0.118
MATRIX B		
1,1,1-Trichloroethane	5.2/5.67	0.115/< 0.109
Tetrachloroethene	3.17/3.07	< 0.136/< 0.136
Methylene chloride	< 1.74/< 1.74	< 1.74/< 1.74
MATRIX C		
Vinyl chloride	< 0.511/< 0.511	< 0.051/< 0.051
OTHER		
1,1-Dichloroethane	< 0.809/< 0.809	< 0.081/< 0.081
trans-1,2-Dichloroethene	< 0.793/< 0.793	0.083/< 0.079
Benzene	0.962/0.99	0.687/0.636
Ethylbenzene	62.1/66.9	0.4/0.352
Toluene	36.3/38.8	1.7/1.43
m,p-Xylenes	216/232	1.42/1.23
o-Xylene	127/136	0.612/0.491

TR5-SSV-5/TR5-IA-5	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.491
Trichloroethene	15.6	0.22
MATRIX B		
1,1,1-Trichloroethane	7.91	< 0.109
Tetrachloroethene	69.8	0.502
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	2.12	4.2
Benzene	< 0.639	0.444
Ethylbenzene	< 0.869	0.308
Toluene	1.16	2.39
m,p-Xylenes	< 1.74	1.15
o-Xylene	< 0.869	0.361

TR5-OA-20241213	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.484
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.409
Ethylbenzene	< 0.087
Toluene	< 0.377
m,p-Xylenes	0.182
o-Xylene	0.087

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV), INDOOR AIR (IA), AND OUTDOOR AIR (OA) SAMPLES COLLECTED ON 13 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. BASE MAP DATA SOURCE: AECOM, 2022

N

0 80 160
SCALE IN FEET

HALEY ALDRICH

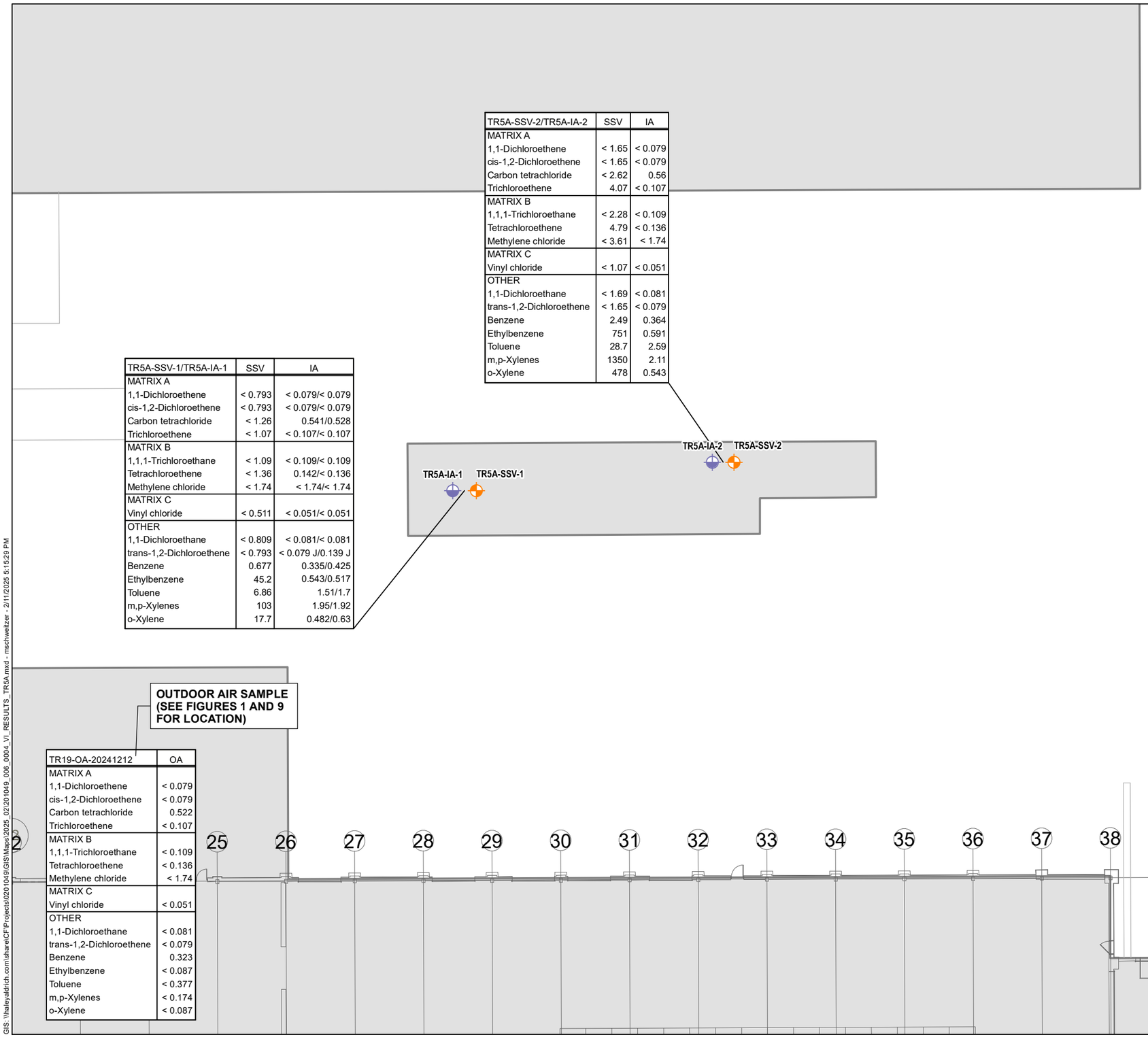
CARRIER CORPORATION
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-5

FEBRUARY 2025

FIGURE 3

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TR5A-SSV-2/TR5A-IA-2	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 1.65	< 0.079
cis-1,2-Dichloroethene	< 1.65	< 0.079
Carbon tetrachloride	< 2.62	0.56
Trichloroethene	4.07	< 0.107
MATRIX B		
1,1,1-Trichloroethane	< 2.28	< 0.109
Tetrachloroethene	4.79	< 0.136
Methylene chloride	< 3.61	< 1.74
MATRIX C		
Vinyl chloride	< 1.07	< 0.051
OTHER		
1,1-Dichloroethane	< 1.69	< 0.081
trans-1,2-Dichloroethene	< 1.65	< 0.079
Benzene	2.49	0.364
Ethylbenzene	751	0.591
Toluene	28.7	2.59
m,p-Xylenes	1350	2.11
o-Xylene	478	0.543

TR5A-SSV-1/TR5A-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079/< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079/< 0.079
Carbon tetrachloride	< 1.26	0.541/0.528
Trichloroethene	< 1.07	< 0.107/< 0.107
MATRIX B		
1,1,1-Trichloroethane	< 1.09	< 0.109/< 0.109
Tetrachloroethene	< 1.36	0.142/< 0.136
Methylene chloride	< 1.74	< 1.74/< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051/< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081/< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079 J/0.139 J
Benzene	0.677	0.335/0.425
Ethylbenzene	45.2	0.543/0.517
Toluene	6.86	1.51/1.7
m,p-Xylenes	103	1.95/1.92
o-Xylene	17.7	0.482/0.63

TR19-OA-20241212	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.522
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.323
Ethylbenzene	< 0.087
Toluene	< 0.377
m,p-Xylenes	< 0.174
o-Xylene	< 0.087

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- BUILDING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED ON 12 DECEMBER 2024.TR19-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-5A SAMPLING EVENT AND WAS COLLECTED ON 12 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. J = RESULT IS AN ESTIMATE
7. BASE MAP DATA SOURCE: AECOM, 2022

N

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SCALE IN FEET

HALEY ALDRICH

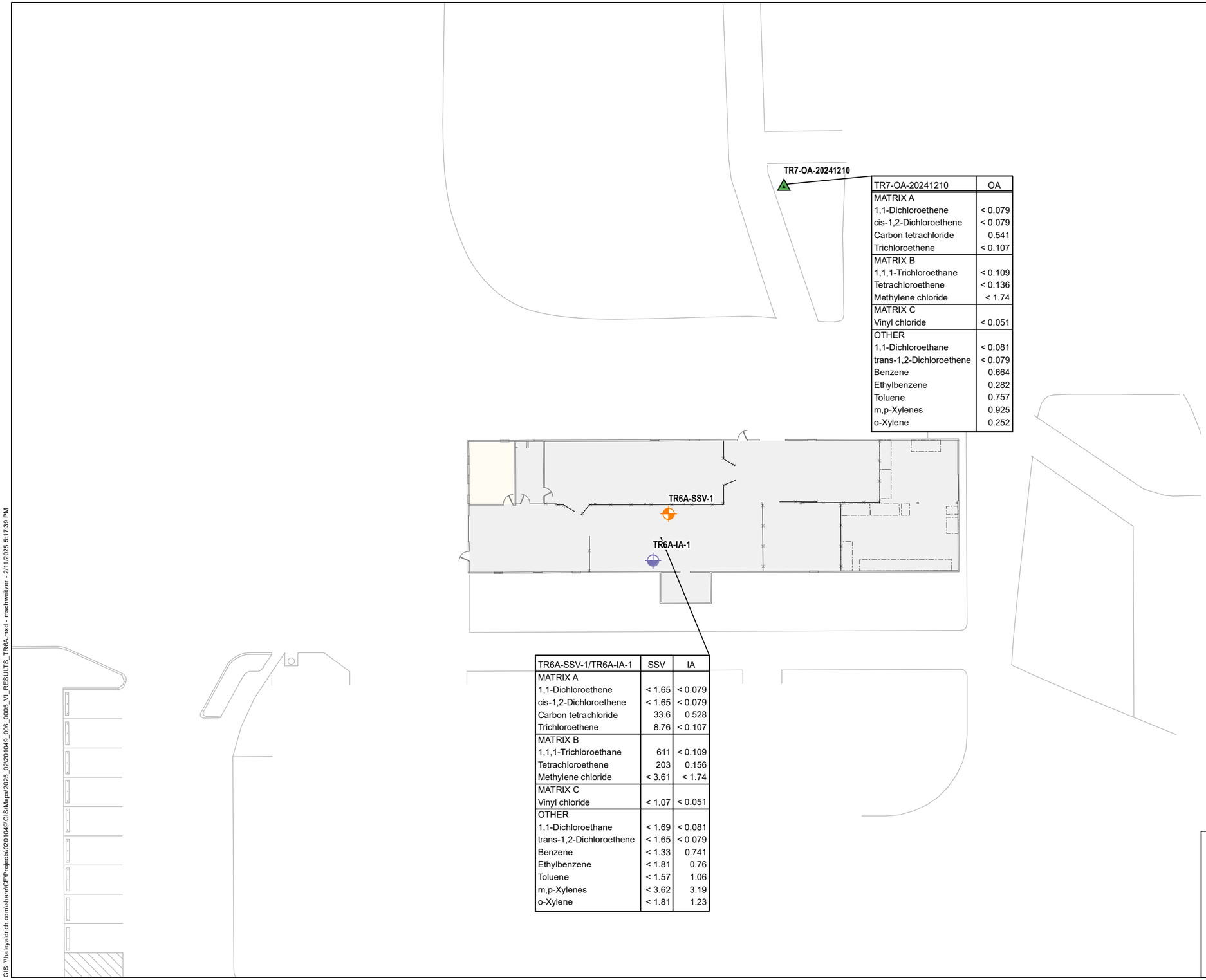
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SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-5A

FEBRUARY 2025

FIGURE 4

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TR7-OA-20241210	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.541
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.664
Ethylbenzene	0.282
Toluene	0.757
m,p-Xylenes	0.925
o-Xylene	0.252

TR6A-SSV-1/TR6A-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 1.65	< 0.079
cis-1,2-Dichloroethene	< 1.65	< 0.079
Carbon tetrachloride	33.6	0.528
Trichloroethene	8.76	< 0.107
MATRIX B		
1,1,1-Trichloroethane	611	< 0.109
Tetrachloroethene	203	0.156
Methylene chloride	< 3.61	< 1.74
MATRIX C		
Vinyl chloride	< 1.07	< 0.051
OTHER		
1,1-Dichloroethane	< 1.69	< 0.081
trans-1,2-Dichloroethene	< 1.65	< 0.079
Benzene	< 1.33	0.741
Ethylbenzene	< 1.81	0.76
Toluene	< 1.57	1.06
m,p-Xylenes	< 3.62	3.19
o-Xylene	< 1.81	1.23

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED ON 10 DECEMBER 2024.TR7-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-6A SAMPLING EVENT AND WAS COLLECTED ON 10 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. BASE MAP DATA SOURCE: AECOM, 2022

N

0 30 60
SCALE IN FEET

HALEY ALDRICH

CARRIER CORPORATION
THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-6A

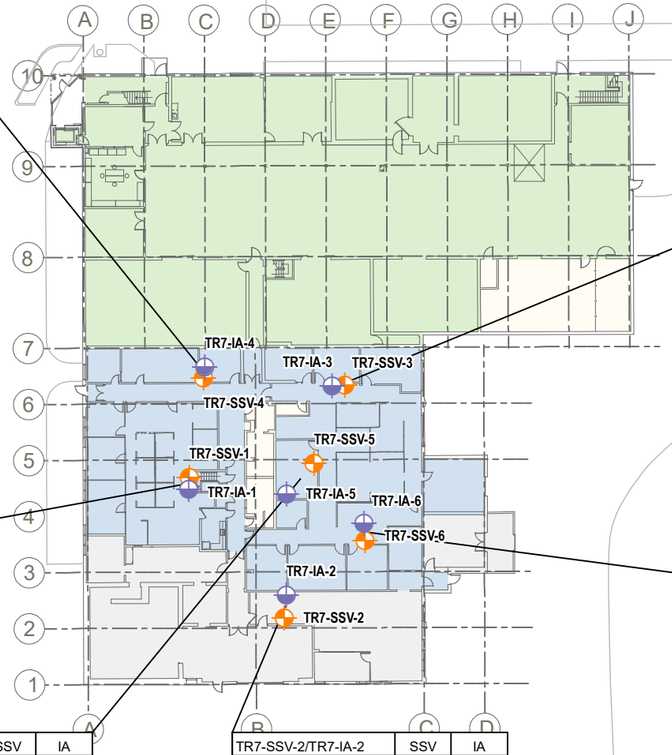
FEBRUARY 2025

FIGURE 5

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TR7-SSV-4/TR7-IA-4	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	17.7	< 0.079
Carbon tetrachloride	< 1.26	0.535
Trichloroethene	39.6	< 0.107
MATRIX B		
1,1,1-Trichloroethane	8.35	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	16	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	0.661	0.69
Ethylbenzene	0.96	0.317
Toluene	2.41	0.916
m,p-Xylenes	3.68	1.09
o-Xylene	2.13	0.326

TR7-SSV-1/TR7-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793/< 0.793	< 0.079/< 0.079
cis-1,2-Dichloroethene	1.89 J/1.13 J	< 0.079/< 0.079
Carbon tetrachloride	< 1.26/< 1.26	0.535/0.497
Trichloroethene	18.1 J/6.45 J	< 0.107/< 0.107
MATRIX B		
1,1,1-Trichloroethane	2.41 J/5.67 J	< 0.109/< 0.109
Tetrachloroethene	< 1.36/< 1.36	< 0.136/< 0.136
Methylene chloride	< 1.74/< 1.74	< 1.74/< 1.74
MATRIX C		
Vinyl chloride	< 0.511/< 0.511	< 0.051/< 0.051
OTHER		
1,1-Dichloroethane	0.923 J/2.23 J	< 0.081/< 0.081
trans-1,2-Dichloroethene	< 0.793/< 0.793	< 0.079/< 0.079
Benzene	1.1/1.57	0.719/0.712
Ethylbenzene	< 0.869/< 0.869	0.356/0.339
Toluene	2.08/2.87	0.923/0.878
m,p-Xylenes	1.88 J/2.86 J	1.2/1.16
o-Xylene	0.995 J/1.74 J	0.378/0.343



TR7-SSV-3/TR7-IA-3	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.522
Trichloroethene	6.02	< 0.107
MATRIX B		
1,1,1-Trichloroethane	1.11	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	< 0.639	0.7
Ethylbenzene	< 0.869	0.308
Toluene	1.08	0.874
m,p-Xylenes	< 1.74	1.03
o-Xylene	1.14	0.308

TR7-SSV-6/TR7-IA-6	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	1.32	0.522
Trichloroethene	10.5	< 0.107
MATRIX B		
1,1,1-Trichloroethane	8.62	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	0.754	0.693
Ethylbenzene	2.36	0.326
Toluene	4.82	0.852
m,p-Xylenes	9.9	1.08
o-Xylene	4.86	0.313

OUTDOOR AIR SAMPLE (SEE FIGURES 1 AND 5 FOR LOCATION)

TR7-OA-20241210	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.541
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.664
Ethylbenzene	0.282
Toluene	0.757
m,p-Xylenes	0.925
o-Xylene	0.252

TR7-SSV-5/TR7-IA-5	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.528
Trichloroethene	3.04	< 0.107
MATRIX B		
1,1,1-Trichloroethane	3.51	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	< 0.639	0.706
Ethylbenzene	< 0.869	0.313
Toluene	1.25	0.886
m,p-Xylenes	2.95	1.06
o-Xylene	1	0.308

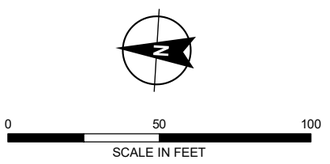
TR7-SSV-2/TR7-IA-2	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	1.26	0.522
Trichloroethene	19	< 0.107
MATRIX B		
1,1,1-Trichloroethane	22.7	< 0.109
Tetrachloroethene	< 1.36	< 0.136
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	7	< 0.081
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	1.01	0.693
Ethylbenzene	77.3	0.326
Toluene	2.65	1.05
m,p-Xylenes	187	1.04
o-Xylene	138	0.295

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED ON 10 DECEMBER 2024.TR7-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-7/7A SAMPLING EVENT AND WAS COLLECTED ON 10 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. J = RESULT IS AN ESTIMATE
7. BASE MAP DATA SOURCE: AECOM, 2022



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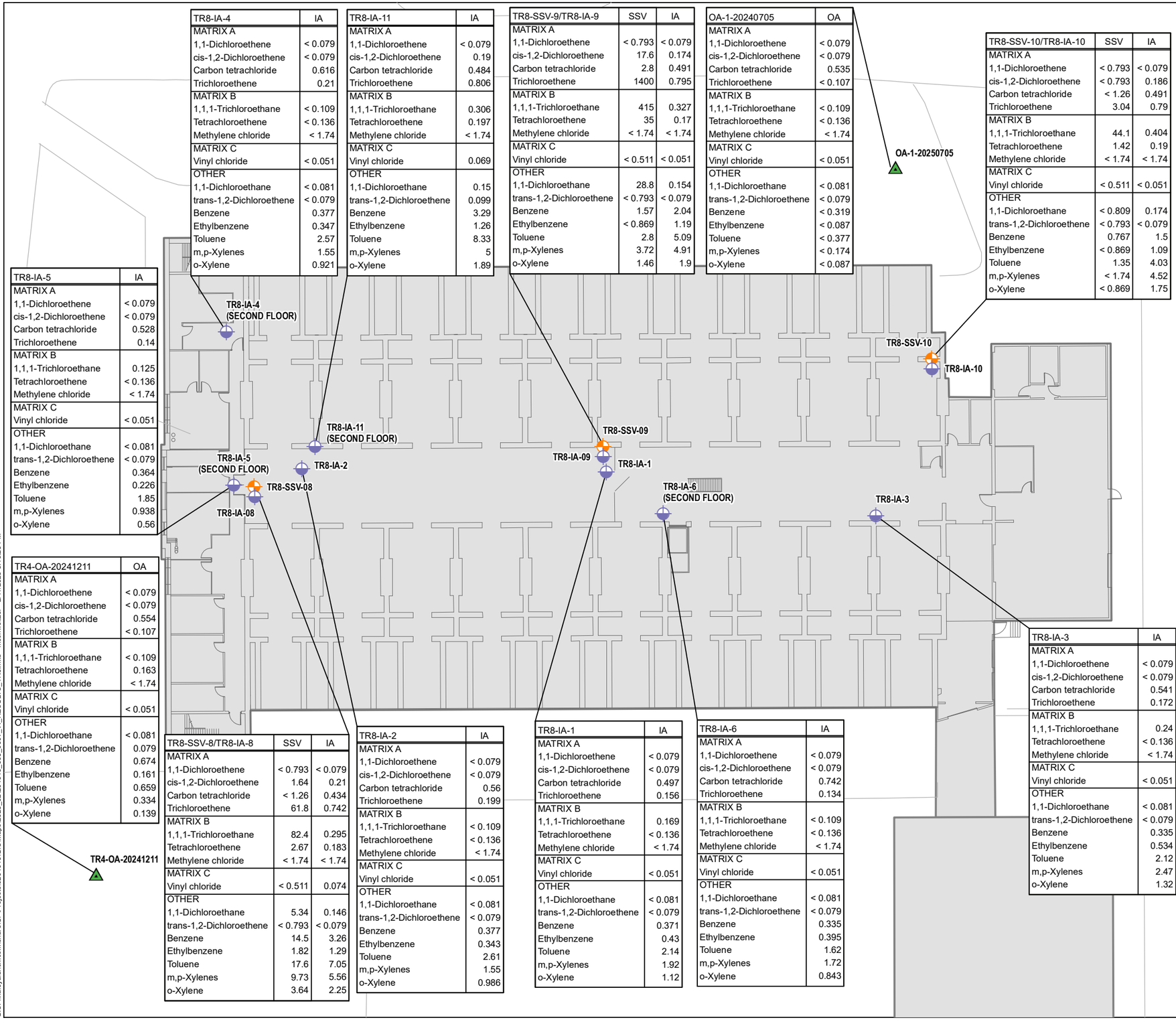
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THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDINGS TR-7/TR-7A

FEBRUARY 2025

FIGURE 6

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TR8-IA-4	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.616
Trichloroethene	0.21
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.377
Ethylbenzene	0.347
Toluene	2.57
m,p-Xylenes	1.55
o-Xylene	0.921

TR8-IA-11	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	0.19
Carbon tetrachloride	0.484
Trichloroethene	0.806
MATRIX B	
1,1,1-Trichloroethane	0.306
Tetrachloroethene	0.197
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	0.069
OTHER	
1,1-Dichloroethane	0.15
trans-1,2-Dichloroethene	0.099
Benzene	3.29
Ethylbenzene	1.26
Toluene	8.33
m,p-Xylenes	5
o-Xylene	1.89

TR8-SSV-9/TR8-IA-9	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	17.6	0.174
Carbon tetrachloride	2.8	0.491
Trichloroethene	1400	0.795
MATRIX B		
1,1,1-Trichloroethane	415	0.327
Tetrachloroethene	35	0.17
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	28.8	0.154
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	1.57	2.04
Ethylbenzene	< 0.869	1.19
Toluene	2.8	5.09
m,p-Xylenes	3.72	4.91
o-Xylene	1.46	1.9

OA-1-20240705	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.535
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	< 0.319
Ethylbenzene	< 0.087
Toluene	< 0.377
m,p-Xylenes	< 0.174
o-Xylene	< 0.087

TR8-SSV-10/TR8-IA-10	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	0.186
Carbon tetrachloride	< 1.26	0.491
Trichloroethene	3.04	0.79
MATRIX B		
1,1,1-Trichloroethane	44.1	0.404
Tetrachloroethene	1.42	0.19
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	0.174
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	0.767	1.5
Ethylbenzene	< 0.869	1.09
Toluene	1.35	4.03
m,p-Xylenes	< 1.74	4.52
o-Xylene	< 0.869	1.75

TR8-IA-5	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.528
Trichloroethene	0.14
MATRIX B	
1,1,1-Trichloroethane	0.125
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.364
Ethylbenzene	0.226
Toluene	1.85
m,p-Xylenes	0.938
o-Xylene	0.56

TR4-OA-20241211	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.554
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	0.163
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	0.079
Benzene	0.674
Ethylbenzene	0.161
Toluene	0.659
m,p-Xylenes	0.334
o-Xylene	0.139

TR8-SSV-8/TR8-IA-8	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	1.64	0.21
Carbon tetrachloride	< 1.26	0.434
Trichloroethene	61.8	0.742
MATRIX B		
1,1,1-Trichloroethane	82.4	0.295
Tetrachloroethene	2.67	0.183
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	0.074
OTHER		
1,1-Dichloroethane	5.34	0.146
trans-1,2-Dichloroethene	< 0.793	< 0.079
Benzene	14.5	3.26
Ethylbenzene	1.82	1.29
Toluene	17.6	7.05
m,p-Xylenes	9.73	5.56
o-Xylene	3.64	2.25

TR8-IA-2	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.56
Trichloroethene	0.199
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.377
Ethylbenzene	0.343
Toluene	2.61
m,p-Xylenes	1.55
o-Xylene	0.986

TR8-IA-1	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.497
Trichloroethene	0.156
MATRIX B	
1,1,1-Trichloroethane	0.169
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.371
Ethylbenzene	0.43
Toluene	2.14
m,p-Xylenes	1.92
o-Xylene	1.12

TR8-IA-6	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.742
Trichloroethene	0.134
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.335
Ethylbenzene	0.395
Toluene	1.62
m,p-Xylenes	1.72
o-Xylene	0.843

TR8-IA-3	IA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.541
Trichloroethene	0.172
MATRIX B	
1,1,1-Trichloroethane	0.24
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.335
Ethylbenzene	0.534
Toluene	2.12
m,p-Xylenes	2.47
o-Xylene	1.32

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE
- BUILDING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM JULY 2024 AND DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED 5 JULY 2024 AND 11 DECEMBER 2024. OA-1 AND TR4-OA ARE THE COMPANION OUTDOOR AIR (OA) SAMPLES FOR THE BUILDING TR-8 SAMPLING EVENT AND WERE COLLECTED IN JULY 2024 AND DECEMBER 2024 RESPECTIVELY.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. BASE MAP DATA SOURCE: AECOM, 2022

N

0 30 60

SCALE IN FEET

HALEY ALDRICH

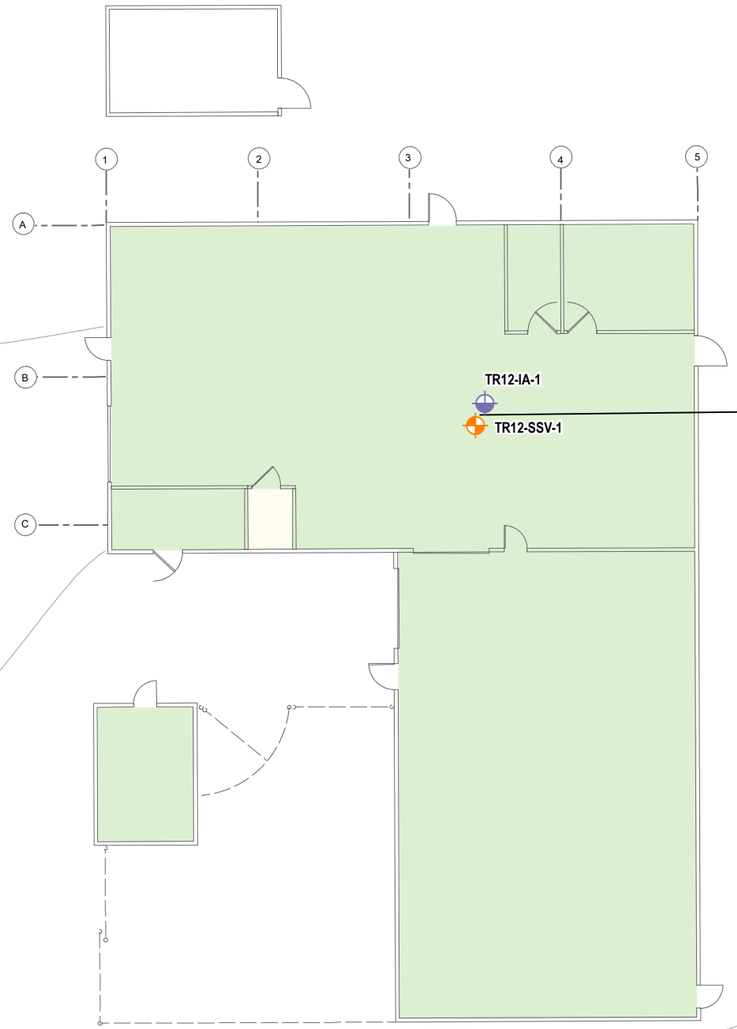
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SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-8

FEBRUARY 2025

FIGURE 7

GIS: \\haleyaldrich.com\share\CF\Projects\0201049\GIS\Maps\2025_02\201049_006_0007_VI_RESULTS_TR8.mxd - mschwelzer - 2/11/2025 5:16:23 PM



TR12-SSV-1/TR12-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 7.73	< 0.079
cis-1,2-Dichloroethene	38.9	0.325
Carbon tetrachloride	< 12.3	0.623
Trichloroethene	159	0.64
MATRIX B		
1,1,1-Trichloroethane	< 10.6	0.677
Tetrachloroethene	< 13.2	0.563
Methylene chloride	< 17	< 1.74
MATRIX C		
Vinyl chloride	< 4.98	0.09
OTHER		
1,1-Dichloroethane	< 7.89	< 0.081
trans-1,2-Dichloroethene	< 7.73	0.095
Benzene	< 6.23	0.866
Ethylbenzene	< 8.47	0.556
Toluene	< 7.35	2.58
m,p-Xylenes	< 16.9	1.74
o-Xylene	< 8.47	0.56

OUTDOOR AIR SAMPLE (SEE FIGURES 1 AND 5 FOR LOCATION)

TR7-OA-20241210	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.541
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.664
Ethylbenzene	0.282
Toluene	0.757
m,p-Xylenes	0.925
o-Xylene	0.252

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

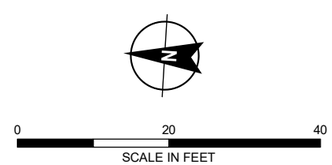
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.

3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).

4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED ON 10 DECEMBER 2024. TR7-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-12 SAMPLING EVENT AND WAS COLLECTED ON 10 DECEMBER 2024.

5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT

6. BASE MAP DATA SOURCE: AECOM, 2022



HALEY ALDRICH

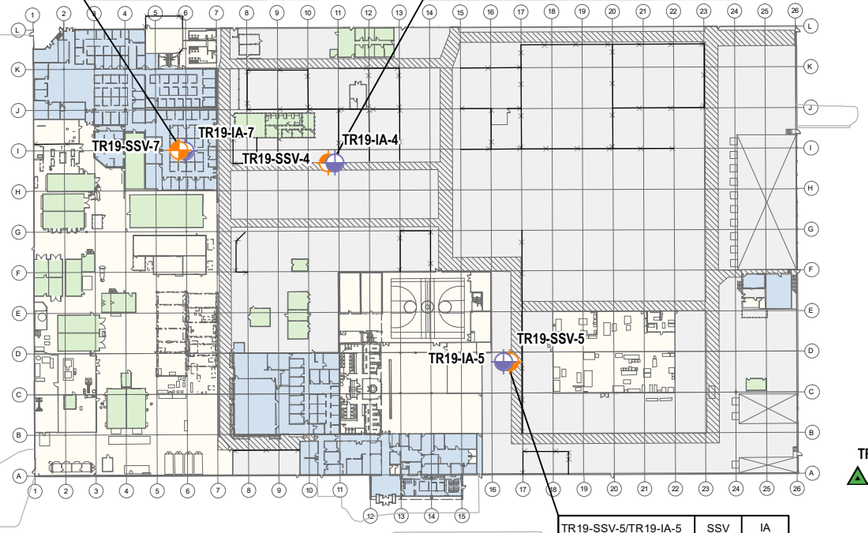
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INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-12

FEBRUARY 2025

FIGURE 8

GIS: \\haleyaldrich.com\share\CF\Projects\0201049\GIS\Maps\2025_02\201049_006_0008_VI_RESULTS_TR12.mxd - mschweitzer - 2/11/2025 1:16:06 PM



TR19-SSV-7/TR19-IA-7	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	7.26	< 0.079
Carbon tetrachloride	< 1.26	0.56
Trichloroethene	246	< 0.107
MATRIX B		
1,1,1-Trichloroethane	18.7	< 0.109
Tetrachloroethene	88.8	0.244
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	1.56	< 0.081
trans-1,2-Dichloroethene	< 0.793	0.095
Benzene	< 0.639	0.457
Ethylbenzene	< 0.869	0.321
Toluene	1.73	1.21
m,p-Xylenes	2.48	1.2
o-Xylene	1.29	0.582

TR19-SSV-4/TR19-IA-4	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793/< 0.793	< 0.079/< 0.079
cis-1,2-Dichloroethene	294/277	< 0.079/< 0.079
Carbon tetrachloride	< 1.26/< 1.26	0.572/0.554
Trichloroethene	171/165	< 0.107/< 0.107
MATRIX B		
1,1,1-Trichloroethane	< 1.09/< 1.09	< 0.109/< 0.109
Tetrachloroethene	41.3/37.9	0.597/0.59
Methylene chloride	< 1.74/< 1.74	< 1.74/< 1.74
MATRIX C		
Vinyl chloride	5.83/5.11	< 0.051/< 0.051
OTHER		
1,1-Dichloroethane	< 0.809/< 0.809	< 0.081/< 0.081
trans-1,2-Dichloroethene	58.3/54.7	< 0.079/< 0.079
Benzene	0.757/0.952	0.639/0.76
Ethylbenzene	1.17/< 0.869	0.534/0.604
Toluene	1.33/1.33	0.908 J/1.79 J
m,p-Xylenes	3.89 J/2.65 J	2.01/2.27
o-Xylene	2.38/1.95	0.843/0.916

TR19-SSV-5/TR19-IA-5	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	< 0.793	< 0.079
Carbon tetrachloride	< 1.26	0.547
Trichloroethene	< 1.07	< 0.107
MATRIX B		
1,1,1-Trichloroethane	< 1.09	< 0.109
Tetrachloroethene	1.62	0.325
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	< 0.809	< 0.081
trans-1,2-Dichloroethene	< 0.793	0.083
Benzene	< 0.639	0.597
Ethylbenzene	2.96	0.356
Toluene	2.2	0.916
m,p-Xylenes	19.7	1.36
o-Xylene	7.77	0.608

TR19-OA-20241212	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.522
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	< 0.136
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	< 0.079
Benzene	0.323
Ethylbenzene	< 0.087
Toluene	< 0.377
m,p-Xylenes	< 0.174
o-Xylene	< 0.087

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- OUTDOOR AIR SAMPLE
- LABORATORY
- OFFICE
- WAREHOUSE/STORAGE
- OTHER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.
3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).
4. SUBSLAB SOIL VAPOR (SSV), INDOOR AIR (IA), AND OUTDOOR AIR (OA) SAMPLES COLLECTED ON 12 DECEMBER 2024.
5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT
6. J = RESULT IS AN ESTIMATE
7. BASE MAP DATA SOURCE: AECOM, 2022

N

0 150 300

SCALE IN FEET

HALEY ALDRICH

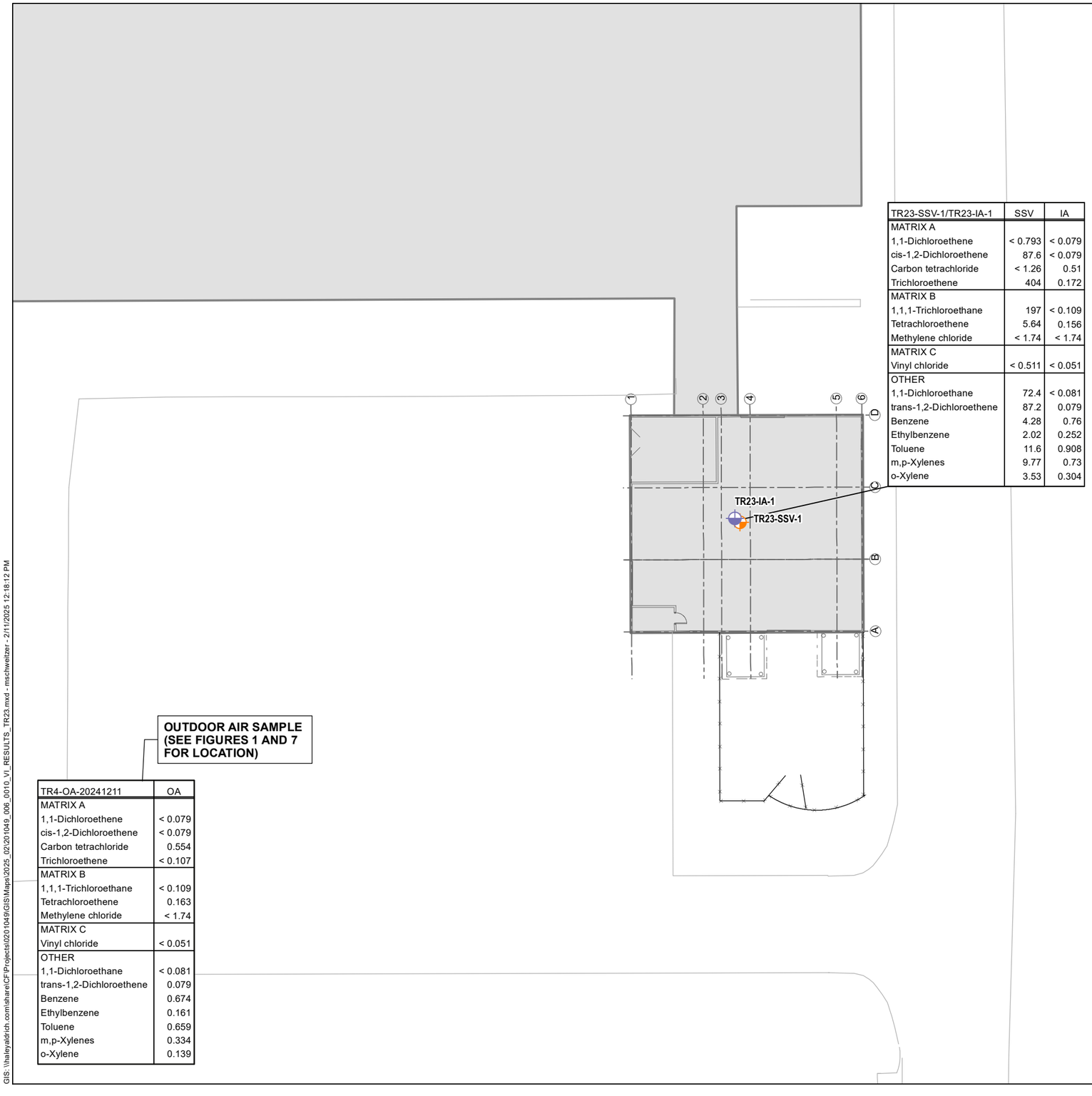
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SYRACUSE, NEW YORK

INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-19

FEBRUARY 2025

FIGURE 9

GIS: \\haleyaldrich.com\share\CF\Projects\0201049\GIS\Mxds\2025_0201049_006_0009_VI_RESULTS_TR19.mxd - mschweitzer - 2/11/2025 10:54:42 AM



TR23-SSV-1/TR23-IA-1	SSV	IA
MATRIX A		
1,1-Dichloroethene	< 0.793	< 0.079
cis-1,2-Dichloroethene	87.6	< 0.079
Carbon tetrachloride	< 1.26	0.51
Trichloroethene	404	0.172
MATRIX B		
1,1,1-Trichloroethane	197	< 0.109
Tetrachloroethene	5.64	0.156
Methylene chloride	< 1.74	< 1.74
MATRIX C		
Vinyl chloride	< 0.511	< 0.051
OTHER		
1,1-Dichloroethane	72.4	< 0.081
trans-1,2-Dichloroethene	87.2	0.079
Benzene	4.28	0.76
Ethylbenzene	2.02	0.252
Toluene	11.6	0.908
m,p-Xylenes	9.77	0.73
o-Xylene	3.53	0.304

OUTDOOR AIR SAMPLE (SEE FIGURES 1 AND 7 FOR LOCATION)

TR4-OA-20241211	OA
MATRIX A	
1,1-Dichloroethene	< 0.079
cis-1,2-Dichloroethene	< 0.079
Carbon tetrachloride	0.554
Trichloroethene	< 0.107
MATRIX B	
1,1,1-Trichloroethane	< 0.109
Tetrachloroethene	0.163
Methylene chloride	< 1.74
MATRIX C	
Vinyl chloride	< 0.051
OTHER	
1,1-Dichloroethane	< 0.081
trans-1,2-Dichloroethene	0.079
Benzene	0.674
Ethylbenzene	0.161
Toluene	0.659
m,p-Xylenes	0.334
o-Xylene	0.139

LEGEND

- SUB-SLAB SOIL VAPOR SAMPLE
- INDOOR AIR SAMPLE
- BUILDING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ONLY SAMPLE LOCATIONS FROM DECEMBER 2024 ARE SHOWN.

3. ANALYTICAL DATA PRESENTED IN MICROGRAMS PER CUBIC METER (µg/m³).

4. SUBSLAB SOIL VAPOR (SSV) AND INDOOR AIR (IA) SAMPLES COLLECTED ON 11 JANUARY 2024. TR4-OA IS THE COMPANION OUTDOOR AIR (OA) SAMPLE FOR THE TR-23 SAMPLING EVENT AND WAS COLLECTED ON 11 DECEMBER 2024.

5. < = COMPOUND LESS THAN INDICATED METHOD DETECTION LIMIT

6. BASE MAP DATA SOURCE: AECOM, 2022

N

0 30 60

SCALE IN FEET

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INDOOR AIR AND SUBSLAB SOIL VAPOR DATA DECEMBER 2024 BUILDING TR-23

FEBRUARY 2025

FIGURE 10

GIS: \\haleyaldrich.com\share\CF\Projects\0201049\GIS\Maps\2025_02\201049_006_0010_VI_RESULTS_TR23.mxd - mschweitzer - 2/11/2025 12:18:12 PM

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 a nd above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

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SYRACUSE, NEW YORK

SOIL VAPOR/INDOOR AIR MATRICES

FEBRUARY 2025

FIGURE 11

AI — AUTHOR: ANDREW NICHOLS — OFFICE: ROC

APPENDIX A
Field Sampling Forms, Photographs, Indoor Air Quality Questionnaire, and Building Inventory Forms

Summa Canister Sampling Field Data Sheet

Site: Carrier
Samplers: JMS/TD
Date: 12/10/24

Sample #	TR7-SSV-01	TR-IA-01	FD-SSV-20241210	FD-IA-20241210	TR7-SSV-04
Location			TR7-SSV-01	TR7-IA-01	
Summa Canister ID	3105	556	1732	2035	3021
Flow Controller ID	1892	1732	1515	2083	1930
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0816				0825
Purge Time (Stop)	0821				0830
Total Purge Time (min)	5				5
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0				0
PID (ppb)	1485				663
CH_4 (ppm)	0.0				0
O_2 (%)	21.7				21.8
CO_2	0.2				0.1
H_2S (ppm)	0				0
Pressure Gauge - before sampling	Gauge / Regulator -29.8	Gauge / Regulator -29.5	Gauge / Regulator -30.0	Gauge / Regulator -30.0	Gauge / Regulator -29.7
Sample Time (Start)	09:31	09:32	09:31	09:32	09:34
Sample Time (Stop)	17:31	17:32	12:55	17:32	19:35
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator -5.00	Gauge / Regulator 6.60	Gauge / Regulator 3.80	Gauge / Regulator 8.65	Gauge / Regulator 4.76
Sample Volume	2.7 ~~6~~ Liters	2.7 ~~6~~ Liters	2.7 L ~~6~~ Liters	2.7 ~~6~~ Liters	2.7 ~~6~~ Liters
Canister Pressure Went To Ambient Pressure?	YES / (NO)	YES / NO	YES / (NO)	YES / NO	YES / NO
General Comments:	IA-FC		IA-FC		IA-FC

Summa Canister Sampling Field Data Sheet

Site: Carpenter
Samplers: JMS / TV
Date: 12/10/2024

Sample #	TR7-IA-04	TR7-SSV-03	TR7-IA03	TR7-SSV-05	TR7-IA05
Location					
Summa Canister ID	2239	2346	2609	2027	3456
Flow Controller ID	1310	2245	1176	1640	1388
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)		0835		0845	
Purge Time (Stop)		0840		0850	
Total Purge Time (min)					
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results		0		0	
PID (ppb)		1283		855	
CH_4 (ppm)		0		0	
O_2 (%)		21.7		21.8	
CO_2		0.1		0.1	
H_2S (ppm)		0		0	
Pressure Gauge - before sampling	Gauge / Regulator -28.2	Gauge / Regulator -29.6	Gauge / Regulator -29.4	Gauge / Regulator -29.9	Gauge / Regulator -29.4
Sample Time (Start)	0936	0937	0938	0940	0941
Sample Time (Stop)	17:36	17:37	17:38	17:40	1741
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 5.15	Gauge / Regulator 5.59	Gauge / Regulator 6.31	Gauge / Regulator 6.00	Gauge / Regulator 5.87
Sample Volume	2.7 Liters	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:		IA-FC		IA-FC	

Summa Canister Sampling Field Data Sheet

Site: Canister
Samplers: JMS / TV
Date: 12/10/2024

Sample #	TR7-SSV-06	TR7-IA-06	TR7-SSV-02	TR7-IA02	TR7-OA-20241210
Location					
Summa Canister ID	2762	503	340	3736	360
Flow Controller ID	169	2200	334	2271	1020
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0855		0905		
Purge Time (Stop)	0900		0910		
Total Purge Time (min)					
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0		0		
PID (ppb)	501		478		
CH_4 (ppm)	0		0		
O_2 (%)	21.8		21.9		
CO_2	0.1		0		
H_2S (ppm)	0		0		
Pressure Gauge - before sampling	Gauge / Regulator -29.80	Gauge / Regulator -29.32	Gauge / Regulator -29.60	Gauge / Regulator -29.36	Gauge / Regulator -30.06
Sample Time (Start)	0949	0948	0944	0945	0958
Sample Time (Stop)	1740	1740	1744	1745	1752
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 5.93	Gauge / Regulator 4.62	Gauge / Regulator 4.54	Gauge / Regulator 4.67	Gauge / Regulator 5.01
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:	IA-FC		IA-FC		

Summa Canister Sampling Field Data Sheet

Site: Carrier
Samplers: JMS / TV
Date: 12/10/2024

Sample #	TR6A-SSV-01	TR6A-IA-01	TR12-SSV-01	TR12-IA-01	
Location					
Summa Canister ID	4336	3725	4365	3212	
Flow Controller ID	1056	1118	01187	02055	
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	1002		1031		
Purge Time (Stop)	1007		1036		
Total Purge Time (min)	5		5		
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0		0		
PID (ppb)	455		617		
CH_4 (ppm)	0		0		
O_2 (%)	21.1		22.5		
CO_2	3.5		0.1		
H_2S (ppm)	0		0		
Pressure Gauge - before sampling	Gauge / Regulator -29.5	Gauge / Regulator -30.3	Gauge / Regulator -29.9	Gauge / Regulator -29.72	Gauge / Regulator
Sample Time (Start)	1008	1009	1039	1040	
Sample Time (Stop)	1753	1753	1839	1840	
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 6.10	Gauge / Regulator 5.10	Gauge / Regulator 12.50	Gauge / Regulator 6.91	Gauge / Regulator
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:	IA-FL		IA-FL		

Summa Canister Sampling Field Data Sheet

Site: Carrier - Syracuse
Samplers: JMS/TU
Date: 12/11/2024

Sample #	TR23-SSV-1	TR23-IA-1	TR8-SSV-6	TR8-IA-6	TR8-SSV-5
Location			3	3	2
Summa Canister ID	3022	2310	231	466	408
Flow Controller ID	0317	01273	01004	0499	1827
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0759		0807		0818
Purge Time (Stop)	0804		0812		0823
Total Purge Time (min)	5		5		5
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0		.0		0
PID (ppb)	936		1210		1248
CH_4 (ppm)	0		0		0
O_2 (%)	21.7		21.8		22.0
CO_2	0.1		0.1		0.1
H_2S (ppm)	0		0		0
Pressure Gauge - before sampling	Gauge / Regulator 29.63	Gauge / Regulator 28.73	Gauge / Regulator 24.48	Gauge / Regulator 29.20	Gauge / Regulator 30.30
Sample Time (Start)	0805	0806	0816	0817	0826
Sample Time (Stop)	1605	1506	16:16	16:17	1626
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 7.50	Gauge / Regulator 5.0	Gauge / Regulator 6.37	Gauge / Regulator 4.19	Gauge / Regulator 5.17
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

2 of 4

Summa Canister Sampling Field Data Sheet

Site: Cummer - Syracuse
Samplers: JMS/TV
Date: 12/11/2024

Sample #	TR8-IA-5	TR8-SSV-4	TR8-IA-4	TR8-IA-7	TR4-OA-2024 1211
Location	2	1	1		
Summa Canister ID	2601	1728	1805	2873	157
Flow Controller ID	0874	0985	1711	2665	01470
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)		0850			
Purge Time (Stop)		0835			
Total Purge Time (min)		5			
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results		0			
PID (ppb)		540			
CH_4 (ppm)		0			
O_2 (%)		22			
CO_2		0.1			
H_2S (ppm)		0			
Pressure Gauge - before sampling	Gauge / Regulator 29.30	Gauge / Regulator 29.3	Gauge / Regulator 29.28	Gauge / Regulator 29.30	Gauge / Regulator 29.30
Sample Time (Start)	0827	0840	0835	0845	852
Sample Time (Stop)	1627	1640	1630	1645	1652
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 6.60	Gauge / Regulator 5.00	Gauge / Regulator 4.77	Gauge / Regulator 5.34	Gauge / Regulator 3.80
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:			SG FC	SG FC	

Summa Canister Sampling Field Data Sheet

Site: Carrier - Syracuse
Samplers: JMS / TV
Date: 12/11/2024

Sample #	TR4-SSV-1	TR4-IA-1	TR4-SSV-3	TR4-I-3	TR4-SSV-4
Location					
Summa Canister ID	4384	1719	2600	3888	148
Flow Controller ID	1210	0145	2655	2212	2231
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0915		09227		0935
Purge Time (Stop)	0920		0932		0940
Total Purge Time (min)	5		5		5
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	600		0		0
PID (ppb)	376		544		455
CH_4 (ppm)	0		0		0
O_2 (%)	22.0		21.9		21.6
CO_2	0.1		0.1		0.1
H_2S (ppm)	0		0		0
Pressure Gauge - before sampling	Gauge / Regulator 29.75	Gauge / Regulator 29.10	Gauge / Regulator 28.55	Gauge / Regulator 29.01	Gauge / Regulator 29.51
Sample Time (Start)	921	0922	0933	0934	0942
Sample Time (Stop)	1714	1702	1700	1724	1742
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 5.01	Gauge / Regulator 2.59	Gauge / Regulator 4.93	Gauge / Regulator 5.00	Gauge / Regulator 5.82
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:		SG-FC		SG-FC	

Summa Canister Sampling Field Data Sheet

Site: Carrier - Syracuse
Samplers: JMS / TV
Date: 12/11/2024

Sample #	TR4-IA-4				
Location					
Summa Canister ID	2999				
Flow Controller ID	0679				
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)					
Purge Time (Stop)					
Total Purge Time (min)					
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results					
PID (ppb)					
CH_4 (ppm)					
O_2 (%)					
CO_2					
H_2S (ppm)					
Pressure Gauge - before sampling	Gauge / Regulator 29.19	Gauge / Regulator	Gauge / Regulator	Gauge / Regulator	Gauge / Regulator
Sample Time (Start)	0943				
Sample Time (Stop)	1731				
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 4.97	Gauge / Regulator	Gauge / Regulator	Gauge / Regulator	Gauge / Regulator
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:	SG-FC				

Summa Canister Sampling Field Data Sheet

Site: Carrier - Syracuse
Samplers: SMS / TV
Date: 12/12/2024

Sample #	TR19-SSV-7	TR19-IA-7	TR19-SSV-4	TR19-IA-4	FD-SSV-20241212
Location					TR19-SSV-4
Summa Canister ID	3116	2236	3730	2203	3442
Flow Controller ID	02255	02047	02143	1134	1490
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0735		0750		
Purge Time (Stop)	0740		0755		
Total Purge Time (min)	5		5		
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0		0		
PID (ppb)	581		771		
CH_4 (ppm)	0		0.4		
O_2 (%)	15.		21.1		
CO_2	5.4		0		
H_2S (ppm)	0		0		
Pressure Gauge - before sampling	Gauge / Regulator 29.69	Gauge / Regulator 29.13	Gauge / Regulator 29.48	Gauge / Regulator 29.40	Gauge / Regulator 31.07
Sample Time (Start)	0742	0745	0801	0800	0801
Sample Time (Stop)	1542	1545	1550	1600	1550
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 5.76	Gauge / Regulator 5.00	Gauge / Regulator 7.31	Gauge / Regulator 5.41	Gauge / Regulator 4.83
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

Summa Canister Sampling Field Data Sheet

Site: Carrier Syracuse
Samplers: JMS / TD
Date: 12/12/2024

Sample #	FD-IA-01-20241212	TR19-SSV-5	TR19-IA-5	TR5A-SSV-1	TR5A-IA-1
Location	TR7-IA-4				
Summa Canister ID	3190	396	3240	2589	3898
Flow Controller ID	1643	2077	1424	1167	1408
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)		0822			
Purge Time (Stop)		0827			
Total Purge Time (min)		5			
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results		0		0	
PID (ppb)		590		268	
CH_4 (ppm)		0		0	
O_2 (%)		20.0		21.9	
CO_2		2.9		0.1	
H_2S (ppm)		0		0	
Pressure Gauge - before sampling	Gauge / Regulator 29.62	Gauge / Regulator 29.74	Gauge / Regulator 29.47	Gauge / Regulator 30.19	Gauge / Regulator 29.49
Sample Time (Start)	0800	0828	0827	0846	0845
Sample Time (Stop)	1600	1628	1627	1646	1645
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 8.61	Gauge / Regulator 5.00	Gauge / Regulator 6.45	Gauge / Regulator 5.85	Gauge / Regulator 8.46
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

Summa Canister Sampling Field Data Sheet

Site: Carrier - Syracuse
Samplers: JMS/TO
Date: 12/12/24

Sample #	TRSA-SSV-2	TRSA-IA-2	FD-IA-02-20241212	TRIP-OA-20241212	
Location			TRSA-IA-1		
Summa Canister ID	3754	2313	3239	4400	
Flow Controller ID	1727	2697	158	2188	
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0849				
Purge Time (Stop)	0854				
Total Purge Time (min)					
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0				
PID (ppb)	362				
CH_4 (ppm)	0				
O_2 (%)	22.0				
CO_2	0.2				
H_2S (ppm)	0				
Pressure Gauge - before sampling	Gauge / Regulator 29.90	Gauge / Regulator 29.84	Gauge / Regulator 29.40	Gauge / Regulator 29.54	Gauge / Regulator
Sample Time (Start)	0858	0856	845	0910	
Sample Time (Stop)	1658	1636	1633	1700	
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 6.12	Gauge / Regulator 4.60	Gauge / Regulator 3.80	Gauge / Regulator 1.20	Gauge / Regulator
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

Summa Canister Sampling Field Data Sheet

Site: Carrier-Syracuse
Samplers: JMS/TY
Date: 12/13/2024

Sample #	TRS-SSV-1	TRS-IA-1	TRS-SSV-2	TRS-IA-2	FD-SSV-20241213
Location					TRS-SSV-2
Summa Canister ID	222	546	3096	2072	3404
Flow Controller ID	1378	0616	1111	1427	0427
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0645		0700		0700
Purge Time (Stop)	0650		0705		0705
Total Purge Time (min)	5				
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0		0		0
PID (ppb)	260		4368		4368
CH_4 (ppm)	0		0		0
O_2 (%)	22.3		22.0		22.0
CO_2	0.2		0.1		0.1
H_2S (ppm)	0		0		0
Pressure Gauge - before sampling	Gauge / Regulator 29.75	Gauge / Regulator 30.06	Gauge / Regulator 30.68	Gauge / Regulator 30.46	Gauge / Regulator 30.35
Sample Time (Start)	0653	0652	0715	0710	0715
Sample Time (Stop)	1453	1446	1515	1428	1515
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 5.10	Gauge / Regulator 4.76	Gauge / Regulator 7.13	Gauge / Regulator 4.77	Gauge / Regulator 6.20
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

2 of 3

Summa Canister Sampling Field Data Sheet

Site: Current - Syracuse
Samplers: JMS / TO
Date: 12/13/2024

Sample #	FD-IA-20241213	TRS-SSV-3	TRS-IA-3	TRS-SSV-4	TRS-IA-4
Location					
Summa Canister ID	2303	~~2464~~ JS 3428	2858	3932	261
Flow Controller ID	1186	~~415~~ JS 01899	435	1356	0139
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)		0720		0735	
Purge Time (Stop)		0725		0740	
Total Purge Time (min)		5		5	
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results		0		0	
PID (ppb)		1133		1452	
CH_4 (ppm)		0.0		0	
O_2 (%)		22.4		22.4	
CO_2		0.1		0.1	
H_2S (ppm)		0		0	
Pressure Gauge - before sampling	Gauge / Regulator 30.78	Gauge / Regulator JS ~~26.85~~ 30.30	Gauge / Regulator 30.38	Gauge / Regulator 30.37	Gauge / Regulator 29.66
Sample Time (Start)	0710	~~0730~~ 0810	0729	0745	0743
Sample Time (Stop)	1303	1550	1516	1545	1543
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 3.88	Gauge / Regulator 7.07	Gauge / Regulator 4.95	Gauge / Regulator 7.20	Gauge / Regulator 5.85
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:		Replaced Can and FC			

Summa Canister Sampling Field Data Sheet

3 of 3

Site: Lawyer - Syracuse
Samplers: JMS / TU
Date: 12/13/2024

Sample #	TRS-SSV-5	TRS-IA-5	TRS-OA-20241213		
Location					
Summa Canister ID	194	147B	3217		
Flow Controller ID	0132	0072	0847		
Additional Tubing Added	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?	NO/YES How much?
Purge Time (Start)	0747				
Purge Time (Stop)	0752				
Total Purge Time (min)	5				
Purge Volume	1 Liter	1 Liter	1 Liter	1 Liter	1 Liter
Initial Tracer Gas Results	0				
PID (ppb)	968				
CH_4 (ppm)	00				
O_2 (%)	22.3				
CO_2	0.1				
H_2S (ppm)	0				
Pressure Gauge - before sampling	Gauge / Regulator 30.35	Gauge / Regulator 30.35	Gauge / Regulator 30.67	Gauge / Regulator	Gauge / Regulator
Sample Time (Start)	0757	0755	0800		
Sample Time (Stop)	1538	1540			
Total Sample Time (min)					
Pressure Gauge - after sampling	Gauge / Regulator 6.55	Gauge / Regulator 6.96	Gauge / Regulator	Gauge / Regulator	Gauge / Regulator
Sample Volume	2.7 L	2.7 L	2.7 L	2.7 L	2.7 L
Canister Pressure Went To Ambient Pressure?	YES / NO	YES / NO	YES / NO	YES / NO	YES / NO
General Comments:					

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 Tom Urban/Rob Murphy Date/Time Prepared 12/8/21 @ 1200pm

Preparer's Affiliation AECOM Phone No. _____

Confirmed on 12/11/2024

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-4

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential School (Commercial/Multi-use) Industrial Church Other: office/cafeteria/Labs

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

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

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) air conditioning R+D

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

Other characteristics:

Number of floors 1 Building age N/A

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

floor drains, sumps

Outdoor air infiltration

man doors / bay doors

Infiltration into air ducts

N/A

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

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	full	crawlspace	slab	other 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 tile + 2 part epoxy	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with paint	
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: _____(feet) slab on grade

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

sumps, floor drains

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: unknown

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

Air conditioning: (Central Air) Window units Open Windows None

rooftop

Are there air distribution ducts present? (Y)/N

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

tight ceiling ~~to floor~~ units

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	offices - research labs
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

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

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

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

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

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

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

h. Have cleaning products been used recently? (Y) N When & Type? daily after hours

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

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

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

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

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

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

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

p. Has there been a pesticide application? Y / (N) When & Type? _____

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

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

If yes, what types of solvents are used? _____

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

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

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

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: T
Is the system active or passive? Active/Passive TR-4 partial

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

TR-4

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE

12/11/2024

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
500 area	no chemicals	present				
Bkgd						
0 ppb	—	—	—	—	—	—
cafeteria 0 ppb Bkgd	disinfectant cleaner	12oz	x4 U	ammonium chloride	0	
Calorimeter Lab	disinfectant cleaner	12oz	U	ammonium chloride	0	
column D29	hand sanitizer	8oz	U	ethyl alcohol	0	
Bkgd 0 ppb	cutting fluid	16oz	x2 U	N.L.	0	

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

N.L. not listed

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 Tom Urban/ Rob Murphy Date/Time Prepared 12/10/21 @ 10:30am

Preparer's Affiliation AECOM Phone No.

Confirmed on 12/13/2024

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-5

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Storage/warehouse/lab/offices

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

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

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) air conditioning company - Carrier

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

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

carpet/tiled 2-part epoxy on south ½ of building

Outdoor air infiltration

bay doors & man doors

Infiltration into air ducts

N/A - tight

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

a. Above grade construction:	wood frame	(concrete)	stone	(brick)
b. Basement type:	full	crawlspace	slab	other 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 2-part epoxy	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with paint	
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: _____(feet) on grade

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

bathroom drains - hallway cleanouts

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: gas

Boiler/furnace located in: Basement Outdoors (Main Floor) Other_____

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

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

ceiling tiled ; hot air ceiling unit in warehouse area

7. OCCUPANCY

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

work shifts

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	office + storage / lab
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) / N

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

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

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

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

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

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

h. Have cleaning products been used recently? (Y) / N When & Type? bathrooms

i. Have cosmetic products been used recently? (Y) / N When & Type? office workers

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

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

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

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

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

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

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: Sat. Y2 - fct. driven vehicles

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

If yes, what types of solvents are used? unk

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

TR-5 pg 1 of 2

13. PRODUCT INVENTORY FORM

12/13/2024

Make & Model of field instrument used: ppb RAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Conference room	hand sanitizer	8oz	U	ethyl alcohol	0	
Bkgd Oppb	desk office cleaner	15oz	U	isopropyl alcohol	0	
	surface cleaner	1qt x2	U	2-butoxydigycol Butoxyethanol	0	
	hand sanitizer	1gal x2	U	ethyl alcohol	415	
600 area	multi surface cleaner	1gA	U	Butoxydigbol Butoxyethanol	0	
Bkgd Oppb	air wick air freshener	8oz	U	ethyl alcohol	0	
1000 area	stainless steel cleaner	2oz	U	petroleum distillates	0	
Bkgd Oppb	surface cleaner	1qt	U	2-butoxyethanol	0	
	cleaner w/ bleach	32oz	U	N. L	0	
	floor cleaner	32oz x2	U	ammonium chloride	0	
South end	5 riding lawn mowers 2 push	- gas powered				
Bkgd 500 ppb	3 pick up trucks					
	4 gas powered ATVs					
	6 gas powered snow blowers 1- 55gal drum - opened			used oil	650	
	brake cleaner	15oz	U	VOC 69g/L	30 ppm	
A34 column	flammable cubinet - see picture lubricants, battery saver, oils, spray paints, brake cleaners				460	
	brake cleaner	14oz	U	pet. distillates, acetone	1438	
C36 column	paint	1gal x136			400ppb	
	paint	5gal x11			400ppb	

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

N. L. - not listed

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE 3000 12/13/2024

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	Spray paints	12oz x8	U	hydrocarbon propellants toluene, acetone	6 ppm	
	great stuff pro	24oz x12	UO	isobutane, propane dimethyl ether	Bkgd	
1st cabinet	xylene	1gal x5	U/UO	xylene	7.5ppm	
	denatured alcohol	1gal x3	UO	alcohols & ketones	6 ppm	
	mineral spirits	1gal	U	petroleum distillates	1100	
	turpentine	1gal	U	VOC 860 g/L	1007	
	waterseal	1gal	C	N.L-	931	
2nd cabinet	contact cleaner	15oz x2	U	tetrafluoroethane propanol, butane	~~2486~~	10ppm
	rust inhibitor	11oz	U	pet. distillates aliphatic hydrocarbons	1245	
	rubber cement	1gal	U	pet. distillates	1208	
	Penetrant	13oz x2	U	pet. distillates	Bkgd	
	gum remover	12oz	U	pentane 1,1,1,2-tetrafluoroethane	bkgd	
	contact adhesive	1gal x5	UO	~~N-~~ ~~VOC 70-90%~~ toluene MEK. ~~by weight~~	2512	
	hazardous waste drums	55gal x21	U	distillates Lead paint chips	Bkgd	
bottom cabinet	chromate gasket spray paints	12oz x11	U/UO	N.L-	3784	
Bkgd ~220ppb	spray adhesive	16.3oz	U	acetone, n-butane hexane	156	
	WD-40	12oz	U	pet. distillates	Bkgd	

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

N.L - not listed

OSR – 3

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.

Information confirmed on 12/12/2024. Revisions to 2022 information are noted in Red.

Preparer's Name ROB MURPHY Date/Time Prepared 8/31/22

Preparer's Affiliation AECOM Phone No. 716-903-1346

Purpose of Investigation SVI – TR-5A

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

N/A

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

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

Other characteristics:

Number of floors 1 Building age_____

Is the building insulated? Y / (N) How air tight? Tight / Average / (Not Tight)

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

N/A

Outdoor air infiltration

ROLL UP DOORS + ENTRY DOORS ALL LEAKY UNDERNEATH
VENTILATION FAN ON EAST WALL NEAR SOUTHERN END OF BUILDING
ALL DOORS KEPT CLOSED + VENT FAN OFF DURING TESTING

Infiltration into air ducts

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

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

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

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

FLOOR SEALED. SEE SKETCH FOR PENETRATIONS / PIT LOCATION.

_____

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: ELECTRIC

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

ELECTRIC HEAT CONDENSATE FROM HOT WATER/STEAM RADIATOR HEATERS

Air conditioning: Central Air Window units Open Windows None

VENT. OFF DURING TESTING

Are there air distribution ducts present? Y / N

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

N/A

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	
1st Floor	Currently used for testing of batteries of refrigeration trailers.
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N

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

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

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

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

f. Is there a workshop or hobby/craft area? Y / N Where & Type? Former weld shop north end paints + preps/ costs fire extinguishers

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

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

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

2nd Bay From North End Recently Painted

j. Has painting/staining been done in the last 6 months? Y / N Where & When?

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

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

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

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

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

p. Has there been a pesticide application? Y / N When & Type? _____

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

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

If yes, what types of solvents are used? ~~Maybe paint thinner~~ None

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

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

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

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

9. WATER AND SEWAGE

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

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

~~Sink discharges to grass outside~~

10. RELOCATION INFORMATION (for oil spill residential emergency)

Sink removed during renovations in 2022.

a. Provide reasons why relocation is recommended: N/A

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

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

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

TR-5A pg 1 of 1

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE 3000 12/12/2024

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
north end	10 gallon Drum some type of oil		U	N.L.	608	
Bkgd 30 ppb	↳ heat transfer oil			(translated from German)		
South end	isopropyl alcohol	12oz	U	isopropyl alcohol	3200	
Bkgd 90 ppb	unknown container	20oz	U	unknown	760	
	vinyl cement	8oz	U	toluene	83.73 ppm	

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

N.L. - not Listed

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 Tom Urben / Rob Murphy Date/Time Prepared 12/8/21 @ 10:30 am

Preparer's Affiliation AECOM Phone No. _____

Confirmed on 12/10/2024

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-6A

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Equipment Storage

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Lab equipment Storage

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

Other characteristics:

Number of floors 1 Building age NA

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

NA

Outdoor air infiltration

Man doors - 2 Bay doors

Infiltration into air ducts

N/A

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

a. Above grade construction:	wood frame	concrete (bottom 3')	stone	brick
b. Basement type:	full	crawlspace	slab	other NA
c. Basement floor:	concrete	dirt	stone	other NA
d. Basement floor:	uncovered	covered	covered with NA	
e. Concrete floor:	unsealed	sealed	sealed with 2 part epoxy	
f. Foundation walls:	poured	block	stone	other ~~NA~~
g. Foundation walls:	unsealed	sealed	sealed with ~~paint~~	
h. The basement is:	wet	damp	dry	moldy NA
i. The basement is:	finished	unfinished	partially finished NA	
j. Sump present?	Y (N)			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet) @ grade

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

sump - west side middle

sewer cleanout - same as sump

floor drain

fire sprinkler system piping on north east end

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

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

Hot air circulation - ceiling unit	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: steam units on ceiling

Natural Gas	Fuel Oil	Kerosene	piping coming in from outside source
Electric	Propane	Solar	
Wood	Coal		

Domestic hot water tank fueled by: NA

Boiler/furnace located in: Basement Outdoors Main Floor NA Other heater units ceiling rooftop

Air conditioning: Central Air Window units Open Windows (None)

Are there air distribution ducts present? Y / (N)

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

3 steam ceiling units on North end - to mid-building

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	equipment Storage
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

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

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

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

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

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

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

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

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

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

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

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

m. Is there a kitchen exhaust fan? Y (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

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

p. Has there been a pesticide application? Y (N) When & Type? _____

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

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

If yes, what types of solvents are used? N A

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE 3000 12/10/2024

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
	no chemicals		present			
	Bkgd - 0	ppb				

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

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 Tom Urban / Rob Murphy Date/Time Prepared 12/7/21 @ 11:00

Preparer's Affiliation AECOM Phone No. 716-856-5636

Purpose of Investigation SVI investigation

Confirmed on 12/10/2024

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-7

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use
Industrial	Church	Other: office

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

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

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) Carrier - offices. EHS/FMS

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

Other characteristics:

Number of floors 2 Building age unk

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

1st to second

Airflow near source

N/A

Outdoor air infiltration

overhead doors / Bay doors, Man doors windows

Infiltration into air ducts

N/A

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

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

Basement/Lowest level depth below grade: 0 (feet) on slab on grade

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

no cracks seen / no drains

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: gas

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

Are there air distribution ducts present? (Y) N

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

Not visible

7. OCCUPANCY

Is basement/lowest level occupied? Full-time (Occasionally) Seldom Almost Never 8 hr shift

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

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) N

b. Does the garage have a separate heating unit? (Y) N / NA gas ~~elec~~ heater

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) (Y) N / NA Please specify elec. golf carts sometimes gas powered buggies

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?

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?

h. Have cleaning products been used recently? (Y) N When & Type? bathrooms daily

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

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

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

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

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

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

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

p. Has there been a pesticide application? Y / (N) When & Type? _____

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

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

If yes, what types of solvents are used? N/A

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

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13. PRODUCT INVENTORY FORM

12/10/2024

Make & Model of field instrument used: ppb RAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
mail room Bkgd 0 ppb	film remover	32oz	U	N.L.	21.35 ppm	
	Goof off	12oz	U	benzyl alcohol, 2-butoxyethanol	483	
	isopropyl alcohol	8oz	U	isopropyl alcohol	16.81 ppm	
	409 cleaner	32oz	U	dimethyl benzyl ammonium chloride	0	
	nail polish remover	6oz	U	acetone	195	
	nail polish remover	10oz	U	acetone	~~82.45~~ 107 ppm	
	disinfectant wipes	9.4oz	U	ammonium chloride	3200	
700 area	Simoniz Digest	1qt	U	nonylphenoxypolyethylene-oxyethanol	0	
0 ppb Bkgd	disinfectant	1qt	U	ammonium chlorides	0	
300 area 0 Bkgd	desk & office cleaner	15oz	U	isobutane; isopropyl alcohol	72	
	greaseless lubricant	11oz	U	petroleum distillates	50	
	lens cleaner	8oz	U	isopropyl alcohol	33	
	lens cleaner	160z	U	N.L.	0	
	cream cleanser	32oz	U	nonyl phenol ethoxylate	0	
	multisurface cleaner	1qt	U	2-butoxyethanol	0	
	multipurpose adhesive	1675oz	U	Acetone, propane, pet. distillates, cyclohexane, hexane	26	
	protectant wipes	25 wipes	U	N.L.	0	
	GOO GONE	8oz	U	petroleum distillates	0	
	furniture dressing	10oz	U	N.L.	413	

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**

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

N.L. - not listed

13. PRODUCT INVENTORY FORM

12/10/2024

Make & Model of field instrument used: PGS RAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
	gum remover	12oz	U	pentane, fluoroethane, 1,1,1,2-tetrafluoroethane	0	
	lens cleaning solution	120z	U	2-propanol; propane-1,2-diol; polyoxyethylene	80	
	marking paint	17oz	U	Solvents	3872	
	disinfectant spray	12.5oz	U	ethanol	57	

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

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 Jon Sargent / Tom Urban Date/Time Prepared 12/11/2024

Preparer's Affiliation HA / AECOM Phone No. _____

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-8

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? NA

If the property is commercial, type?

Business Type(s) Manufacturing

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

Other characteristics:

Number of floors 2 Building age_____

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

Floor Crack present, utilities

Outdoor air infiltration

Garage Overhead doors present

Infiltration into air ducts

NA

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

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

Basement/Lowest level depth below grade: _____(feet) on grade

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

Floor cracks, utilities

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

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

Are there air distribution ducts present? Y / N

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

Unknown

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	Equipment testing / Lab ; Current Renovations
2nd Floor	Equipment testing / Lab ; Current Renovations
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

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

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

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

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

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

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

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

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

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

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

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

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

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

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

p. Has there been a pesticide application? Y / (N) When & Type? _____

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

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13. PRODUCT INVENTORY FORM 12/11/2024

Make & Model of field instrument used: ppb RAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
south end	evap foam no rinse	18oz	U	Monoethyl ether 2-Butoxyethanol Petroleum gas	0	
Bkgd	foam sealant	12oz	U	isopropanol propane dimethyl ether	0	
0 ppb	Fin protector	1gal	2U	N.L.	674	
	electrical contact cleaner	11oz	U	d. fluoroethane; heptane methyl pentane; isopropyl alcohol	0	
	Greez off	32oz	U	ethoxylated alcohols	0	
	deep gloss	16oz	U	hydrotreated aliphatic hydrocarbons, propane	0	
mid Bldg	Spray adhesive	12oz	x6 U	acetone, propane, naptha n-heptane	4721	
Bkgd						
30 ppb	" " "	"	"	" " "	"	"
north end	no chemicals present					
Bkgd						
50-100 ppb	" " "	"	"	" " "	"	"
2nd floor						
Bkgd	end = 160 ppb		NO	chemicals present		
north						
south	end = 10 ppb		"	"	"	

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

N.L. - Not listed

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 Tom Urban / Rob Murphy Date/Time Prepared 12/9/21 @ 0800am

Preparer's Affiliation AECOM Phone No. _____

Confirmed on 12/10/2024

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-12

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: Carrier - R+D

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

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

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) manufacture / repair

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

Other characteristics:

Number of floors 1 Building age ~~N/A~~ 1942 & '95/'96

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

floor cracks present

Outdoor air infiltration

2 bay doors; 3 walkdoors

Infiltration into air ducts

N/A

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

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other 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 2 part epoxy	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with paint	
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: _____(feet) on grade

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

floor cracks

_____

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

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

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

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Gas

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other N/A
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

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

tight

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	N/A
1st Floor	repair - manufacture
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

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

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

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

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

f. Is there a workshop or hobby/craft area? (Y) / N Where & Type? whole building

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

h. Have cleaning products been used recently? (Y) / N When & Type? bathroom - daily

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

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

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

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

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

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

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

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: metal shop

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

13. PRODUCT INVENTORY FORM

12/10/2024

Make & Model of field instrument used: ppb RAE

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N
Bkgd	rust in hi.stor	11oz	U	aliphatic Hydrocarbons, ether, petroleum distillates mineral spirits	1213	
~1000ppb	brake parts cleaner	14oz x5	U	acetone, petroleum distillates heptane	9873	
	loctite compound	8oz	U	acrylic acid methacrylate ester	Bkgd	
	WD-40	14.4oz	U	petroleum distillates	7200	
	greaseless lubricant	11oz	U	petroleum distillates	Bkgd	
	flammable cabinet	various	U	Spray paints, paints spray adhesives	8500 doors closed	
	↳ upstairs			*see photo*	19.17ppm open	
	epoxy	10oz	U	P.et. distillates	7394	
	isopropyl alcohol	30oz	U	isopropyl alcohol	7917	
west wing	Drums x2	55gal	U	oils	7438	
Bkgd	sprays	15oz x3	U	acetone, toluene aliphatic hydrocarbons	2090	
~650 ppb						

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

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 Tom Urban/Rob Murphy Date/Time Prepared 12/12/21 @ 11:30

Preparer's Affiliation AECOM Phone No._____

Confirmed on 12/12/2024

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-19

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: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
(Industrial)	Church	Other: Storage / lab / offices

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

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

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) air conditioning R+I

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

Other characteristics:

Number of floors 1 Building age unk.

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

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

Airflow between floors

N/A

Airflow near source

floor penetrations- drains, piping

Outdoor air infiltration

bay doors + man doors

Infiltration into air ducts

tight

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

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	full	crawlspace	slab	other 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 2-part epoxy	
f. Foundation walls:	poured	(block)	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with paint	
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: _____(feet) N/A

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

floor drains; roof piping thru floor
open pit @ column A22

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

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

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

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: nat. gas

Boiler/furnace located in: Basement Outdoors Main Floor Other vat.

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) / N

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

ceiling is tiled

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never 8-hrs 5 days

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

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? (Y) N

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

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

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

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

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

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

h. Have cleaning products been used recently? (Y) N When & Type? bathrooms

i. Have cosmetic products been used recently? (Y) / N When & Type? office workers

j. Has painting/staining been done in the last 6 months? (Y) N Where & When? southwest of buildings

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

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

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

n. Is there a bathroom exhaust fan? (Y) N If yes, where vented? outside

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

p. Has there been a pesticide application? Y (N) When & Type? _____

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

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

If yes, what types of solvents are used? parts cleaners

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

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

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

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

9. WATER AND SEWAGE

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

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

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

8 TR-19

12/12/2024

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: ppb RAE

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
area 400	deep woods off	6oz x2	UO	DEET	Bkgd	
Bkgd	white board cleaner	8oz x4	UO	N.L.	Bkgd	
120ppb	furniture polish	19oz	U	butane, propane polydimethylsiloxane	230	
column I11	isopropyl alcohol	12oz	U	isopropyl alcohol difluoroethane	248	
Bkgd 50 ppb	dry film lubricant	4oz	U	petroleum distillates Mineral oil	5408	
	WD-40	11oz	U	petroleum distillate	511	
column D17	spray paint	12oz	U	acetone, propane, xylene n-Butane; Acetate	2075	
Bkgd	flammable cabinet	——>	250 ppb inside			
140ppb	↳ WD-40	16oz x8	UO	pet. distillates	Bkgd	
	glysantin	5kg x3		ethandiol	Bkgd	
	isopropyl alcohol	1gal x8	UO	isopropyl alcohol 50-70	Bkgd	
	Cutting fluid TAP MATIC	16oz	U	pet. distillates	Bkgd	

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

N.L. - Not Listed

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 Jon Sanger / Tom Urban Date/Time Prepared 12/11/24

Preparer's Affiliation H+A / AECOM Phone No. _____

Purpose of Investigation SVI Investigation

1. OCCUPANT:

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: TR-23

County: Onondaga

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location 0 Age of Occupants _____

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

a. Above grade construction:	wood frame	concrete	stone	brick	metal
b. Basement type: N/A	full	crawlspace	slab	other _____	
c. Basement floor: N/A	concrete	dirt	stone	other _____	
d. Basement floor: N/A	uncovered	covered	covered with _____		
e. Concrete floor:	unsealed	sealed	sealed with paint - epoxy		
f. Foundation walls: N/A	poured	block	stone	other ~~metal~~	
g. Foundation walls: N/A	unsealed	sealed	sealed with _____		
h. The basement is: N/A	wet	damp	dry	moldy	
i. The basement is: N/A	finished	unfinished	partially finished		

j. Sump present? (Y) N not for groundwater - at grade for internal process (at some past time)

k. Water in sump? Y / (N) not applicable

Basement/Lowest level depth below grade: _____(feet) pit ~ 2' deep [2' x 2']

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

trench (6-12" deep)

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

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

- 2 ceiling units in Southern ½ of building

Hot air circulation	Heat pump	Hot water baseboard	(Steam)
Space heaters	Steam 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: N/A

Boiler/furnace located in: Basement Outdoors Main Floor Other 2 overhead unit (steam)

Air conditioning: Central Air Window units Open Windows (None)

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

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

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

m. Is there a kitchen exhaust fan? Y (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y (N) If yes, where vented? _____

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

p. Has there been a pesticide application? Y (N) When & Type? _____

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

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

If yes, what types of solvents are used? _____

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

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

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

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

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: NO water

Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: no Sewer

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

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

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

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

TR-23

pg 1 of 1

13. PRODUCT INVENTORY FORM

12/11/2024

Make & Model of field instrument used: ppb RAE 3000

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
Bkgd	no chemicals present					
0 ppb	Zero ppb in		trenches + pit (Eastern		edge of Bldg)	

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

CSM-3

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	CSM - 3
CAS No.	Mixture
EINECS No.	Mixture

1.2 Recommended use of the chemical and restrictions on use

Identified Use(s)	PC14 Metal surface treatment products, including galvanic and electroplating products
Uses Advised Against	None known.

1.3 Supplier's details

Company Identification	Vishay Measurements Group, Inc. Post Office Box 27777 Raleigh, NC 27611 USA
Telephone	919-365-3800
Fax	919-365-3945
E-Mail (competent person)	mm.us@vishaypg.com

1.4 Emergency Phone No. 1-800-424-9300 (U.S.)
CHEMTREC

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification

Flam. Aerosol 1; H222
Acute Tox. 4; H332
Aquatic Chronic 3; H412

2.2 Label elements According to GHS Classification

Product Name CSM-3

Contains: Trans-Dichloroethylene

Hazard Pictogram(s)



Signal Word(s) Danger

Hazard Statement(s)

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P261: Avoid breathing spray.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER/doctor if you feel unwell.
P273: Avoid release to the environment.

ADD Label elements P210: Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.
P251: Do not pierce or burn, even after use.

2.3 Other hazards None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Substances in preparations / mixtures
Not applicable

3.2 Mixtures

GHS Classification

Chemical identity of the substance	%W/W	CAS No.	EC No.	Hazard Statement(s)
Trans-Dichloroethylene	> 90	156-60-5	205-860-2	Flam. Liq. 2; H225 Acute Tox. 4; H332 Aquatic Chronic 3; H412
Carbon Dioxide*	1- 10	124-38-9	204-696-9	Press. Gas (*); H280

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation — IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact — IF ON SKIN: Gently wash with plenty of soap and water.

Eye Contact — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

Ingestion — IF SWALLOWED: Call a POISON CENTER/doctor/…/if you feel unwell. Do not induce vomiting wash out mouth with water.

4.2 Most important symptoms and effects, both acute and delayed Harmful if inhaled. May be harmful if swallowed and enters airways.Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media — Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Unsuitable extinguishing media — Do not use water jet. Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Phosgene, Hydrogen chloride. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

5.3 Advice for fire-fighters Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	**Personal precautions, protective equipment and emergency procedures**	Eliminate sources of ignition. Shut off leaks if without risk. Do not breathe spray. Ensure suitable personal protection during removal of spillages.
6.2	**Environmental precautions**	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses. (Aquatic Chronic 3).
6.3	**Methods and material for containment and cleaning up**	Provided it is safe to do so, isolate the source of the leak. Use non-sparking equipment when picking up flammable spill. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Allow small spillages to evaporate provided there is adequate ventilation.
6.4	**Reference to other sections**	See Section: 8,13

7. SECTION 7: HANDLING AND STORAGE

7.1	**Precautions for safe handling**	Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Wear protective gloves/eye protection. Take precautionary measures against static discharge. This product should be kept away from naked flames and other sources of ignition. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. The vapour is heavier than air; beware of pits and confined spaces.
7.2	**Conditions for safe storage, including any incompatibilities**	Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep container closed when not in use.
	Storage temperature	Keep cool. Protect from sunlight.
	Storage life	Stable under normal conditions.
	Incompatible materials	Isolate from reducers and flammable/ combustible materials etc in storage. Keep away from: Strong oxidising agents, Acids, Alkalis.
7.3	**Specific end use(s)**	PC14 Metal surface treatment products, including galvanic and electroplating products (See Also Section 1.2).

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Carbon dioxide	124-38-9	5000	9000	30000*	54000*	NIOSH
		5000	9000			OSHA
1,2-Dichloroethene, trans-	156-60-5	200	790	-	-	OSHA

Note: OSHA 1910.1000 TABLE Z-1 / *NIOSH 15 minutes average value

8.1.2	**Biological limit value**	Not established.
8.1.3	**PNECs and DNELs**	Not established.

8.2 Exposure controls

8.2.1	**Appropriate engineering controls**	Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.
8.2.2	**Individual protection measures, such as personal protective equipment (PPE)**	Assumes a good basic standard of occupational hygiene is implemented.
	Eye/ face protection	Wear eye glasses with side protection according to EN 166.



	Skin protection 	Not normally required. Wear suitable gloves if prolonged skin contact is likely. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
	Respiratory protection 	In case of insufficient ventilation, wear suitable respiratory equipment. Avoid inhalation of high concentrations of vapours. High concentrations: Use NIOSH approved respiratory protection. Recommended: Self-contained breathing apparatus (DIN EN 137)
	Thermal hazards	Not applicable.
8.2.3	**Environmental Exposure Controls**	Avoid release to the environment. (Aquatic Chronic 3)

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Colourless liquid
Odour	Sharp, Harsh
Odour threshold	17 ppm
pH	Not established.
Melting point/freezing point	- 50 °C
Initial boiling point and boiling range	48 °C
Flash point	2 – 4 °C
Evaporation rate	2.80
Flammability (solid, gas)	Not determined - Liquid
Upper/lower flammability or explosive limits	9.7 – 12.8 %
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.28 g/ml @ 20 °C
Solubility(ies)	Soluble in water. 6.3 mg/ml @ 25 °C
Partition coefficient: n-octanol/water	Not established.
Auto-ignition temperature	Not established.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information None known.

10. SECTION 10: STABILITY AND REACTIVITY

10.1	**Stability and reactivity**	Stable under normal conditions.
10.2	**Chemical stability**	Stable under normal conditions.
10.3	**Possibility of hazardous reactions**	Hazardous polymerisation will not occur.
10.4	**Conditions to avoid**	Avoid contact with: Strong oxidising agents, Acids, Alkalis. Keep away from sources of ignition - No smoking.
10.5	**Incompatible materials**	Isolate from reducers and flammable/ combustible materials etc in storage.
10.6	**Hazardous decomposition product(s)**	Carbon monoxide, Carbon dioxide, Phosgene, Hydrogen chloride.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	**Information on toxicological effects (Substances in preparations / mixtures)**	
	Acute toxicity	
	Ingestion	Not classified. Trans-Dichloroethylene: Oral LD50 1235 mg/kg (rat), LD50 2122 mg/kg (mouse)
	Inhalation	Acute Tox. 4; LC50 12.2 mg/l, Acute Toxicity Estimate (ATE) Calculation. Trans-Dichloroethylene: Inhalation LC50 (rat) 100ppm 24h
	Skin Contact	Not classified. Dermal LD50 >5000 mg/kg (rabbit)
	Skin corrosion/irritation	Not classified.
	Serious eye damage/irritation	Not classified.
	Respiratory or skin sensitization	Not classified.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity.
	Reproductive toxicity	No evidence of reproductive effects.
	STOT - single exposure	Not classified.
	STOT - repeated exposure	Not classified.
	Aspiration hazard	Not classified.
11.2	**Other information**	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	**Toxicity**	Hazardous to the aquatic environment (Aquatic Chronic 3). Estimated LC50 10 – 100 mg/l
12.2	**Persistence and degradibility**	No data for the mixture as a whole.
12.3	**Bioaccumulative potential**	No data for the mixture as a whole.
12.4	**Mobility in soil**	No data for the mixture as a whole.
12.5	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.
12.6	**Other adverse effects**	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	**Waste treatment methods**	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

		ADR/RID	**IMDG**	**IATA/ICAO**
14.1	**UN number**	UN 1950	UN 1950	UN 1950
14.2	**Proper Shipping Name**	AEROSOLS, flammable	AEROSOLS, flammable	AEROSOLS, flammable
14.3	**Transport hazard class(es)**	2	2	2
14.4	**Packing group**	None assigned.	None assigned.	None assigned.
14.5	**Environmental hazards**	Not classified.	Not classified as a Marine Pollutant.	Not classified.
14.6	**Special precautions for user**	See Section: 2		
14.7	**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**	Not applicable. None.	Not applicable.	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References:
Existing Safety Data Sheet (SDS): Mixture. Existing ECHA registration(s) for Carbon dioxide (CAS# 124-38-9). Harmonised Classification(s) for Trans-Dichloroethylene (CAS# 156-60-5)

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Aerosol 1; H222	In accordance with Regulation (EC) No. 1272/2008 (CLP) 2.3.2.2
Acute Tox. 4; H332	Specific Concentration Limit
Aquatic Chronic 3; H412	Summation Calculation

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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Photo 1: TR23-SSV/IA-1



Photo 2: TR8-SSV/IA-08



Photo 3: TR8-SSV/IA-09

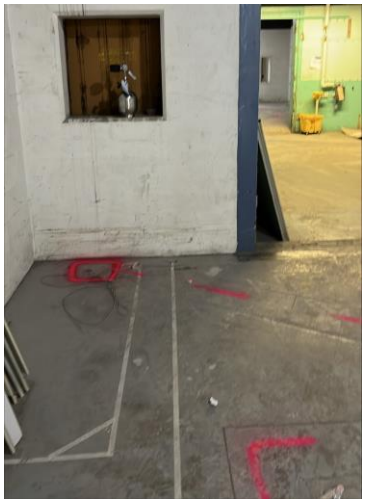


Photo 4: TR8-IA-10

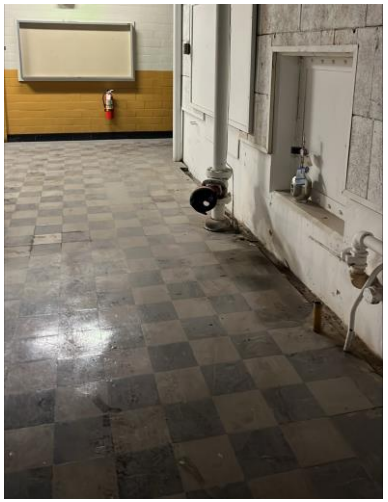


Photo 5: TR8-IA-11



Photo 6: TR8-SSV-10

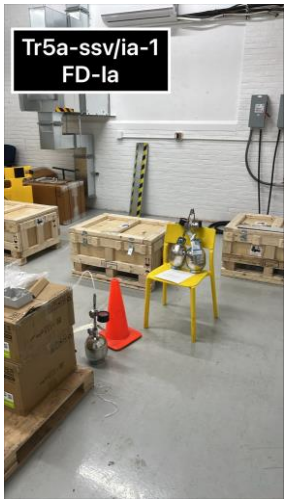


Photo 7: TR5A-SSV/IA-1



Photo 8: TR5A-IA/SSV-2



Photo 9: Helium Test Set up

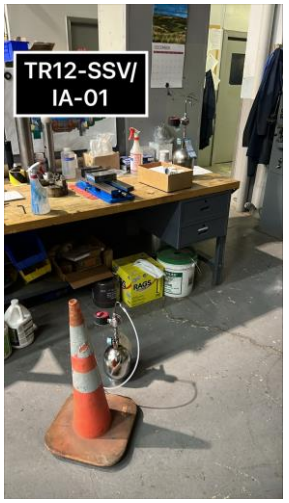


Photo 10: TR12-IA/SSV-1



Photo 11: TR4-IA/SSV-1

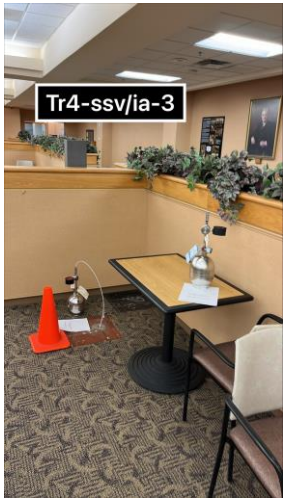


Photo 12: TR4-SSV/IA-3



Photo 53: TR4-SSV/IA-4



Photo 14: TR12 Chemical Storage Closet

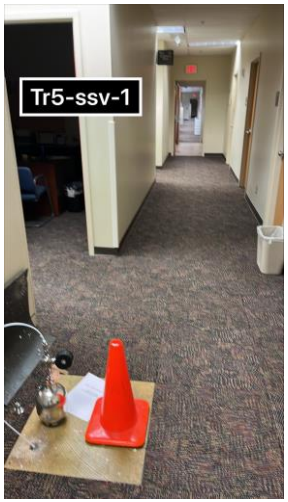


Photo 15: TR5-SSV-1



Photo 16: TR5-IA-1



Photo 67: TR5-SSV/IA-2

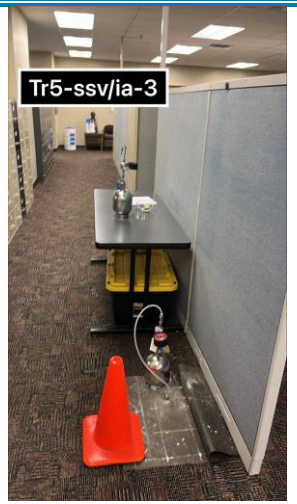


Photo 18: TR5-SSV/IA-3

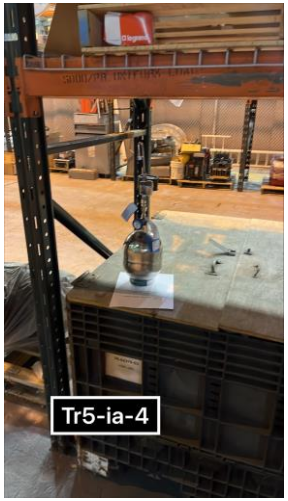


Photo 19: TR5-IA-4



Photo 20: TR5-SSV-IA-5



Photo 27: TR5 Garage chemical storage area



Photo 82: TR5 Garage chemical storage area



Photo 29: TR5 Garage chemical storage area



Photo 210: TR5 Garage chemical storage area



Photo 25: TR5-SSV-4



Photo 116: Chemical Storage area in TR5 Garage



Photo 27: TR19-SSV-7



Photo 28: TR7-IS-7



Photo 29: TR19-SSV/IA-4

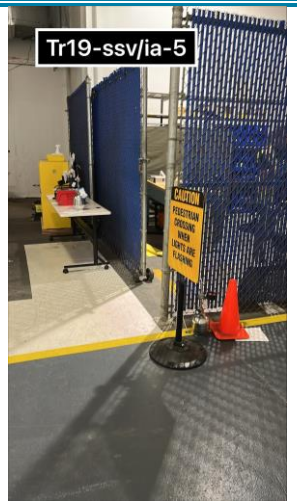


Photo 30: TR19-SSV/IA-5

APPENDIX B
Data Usability Summary Reports and Laboratory Analytical Reports

Data Usability Summary Report

Project Name: Carrier – Thompson Road

Project Description: Air and Soil Gas Samples

Sample Date(s): 10 through 13 December 2024

Analytical Laboratory: Alpha Analytical Laboratories, Inc. – Mansfield, MA

Validation Performed by: Kristina Ilina

Validation Reviewed by: Katherine Miller

Validation Date: 14 January 2025

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Groups (SDGs) listed. This DUSR is organized into the following sections:

1. **Sample Delivery Group Numbers L2473694, L2473695, L2473696, and L2473709**
2. **Explanations**
3. **Glossary**
4. **Abbreviations**
5. **Qualifiers**

References

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Organic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by Method TO-15.

Data reported in this sampling event were reported to the laboratory reporting limit (RL).

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Numbers L2473694, L2473695, L2473696, and L2473709

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG numbers:

- L2473694, dated 20 December 2024;
- L2473695, dated 24 January 2025;
- L2473696, dated 6 January 2025; and
- L2473709, dated 24 January 2025.

Samples were collected, preserved, and shipped following standard chain of custody (COC) protocols. Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- The original report was revised on 6 January 2025 to correct the sample IDs for L2473696-35 and L2473696-36, which were missing an "A" in the sample ID.
- The canister ID numbers for the samples do not match with the COC: the canister ID number for L2473696-03 is listed on the COC as 3021 but should be 3201; the canister ID number for L2473696-41 is listed on the COC as 228 but should be 222.
- The report was revised on 24 January 2025 to correct the sample IDs for L2473695-01, 02 and 03 and L2473709-01,02,03, and 04, which were revised with new location identification in the sample ID.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
TR23-SSV-1-20241211	N	L2473694-01	12/11/2024	GS	TO-15	30 days
TR23-IA-1-20241211	N	L2473694-02	12/11/2024	IA	TO-15 SIM	30 days
TR8-SSV-08-20241211	N	L2473695-01	12/11/2024	GS	TO-15	30 days
TR8-SSV-09-20241211	N	L2473695-02	12/11/2024	GS	TO-15	30 days
TR8-SSV-10-20241211	N	L2473695-03	12/11/2024	GS	TO-15	30 days
TR7-SSV-1-20241210	N	L2473696-01	12/10/2024	GS	TO-15	30 days
TR7-IA-1-20241210	N	L2473696-02	12/10/2024	IA	TO-15 SIM	30 days
TR7-SSV-4-20241210	N	L2473696-03	12/10/2024	GS	TO-15	30 days
TR7-IA-4-20241210	N	L2473696-04	12/10/2024	IA	TO-15 SIM	30 days
TR7-SSV-3-20241210	N	L2473696-05	12/10/2024	GS	TO-15	30 days
TR7-IA-3-20241210	N	L2473696-06	12/10/2024	IA	TO-15 SIM	30 days
TR7-SSV-5-20241210	N	L2473696-07	12/10/2024	GS	TO-15	30 days
TR7-IA-5-20241210	N	L2473696-08	12/10/2024	IA	TO-15 SIM	30 days
TR7-SSV-6-20241210	N	L2473696-09	12/10/2024	GS	TO-15	30 days
TR7-IA-6-20241210	N	L2473696-10	12/10/2024	IA	TO-15 SIM	30 days

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
TR7-SSV-2-20241210	N	L2473696-11	12/10/2024	GS	TO-15	30 days
TR7-IA-2-20241210	N	L2473696-12	12/10/2024	IA	TO-15 SIM	30 days
TR7-OA-20241210	N	L2473696-13	12/10/2024	AA	TO-15 SIM	30 days
TR6A-SSV-1-20241210	N	L2473696-14	12/10/2024	GS	TO-15	30 days
TR6A-IA-1-20241210	N	L2473696-15	12/10/2024	IA	TO-15 SIM	30 days
TR12-SSV-1-20241210	N	L2473696-16	12/10/2024	GS	TO-15	30 days
TR12-IA-1-20241210	N	L2473696-17	12/10/2024	IA	TO-15 SIM	30 days
FD-SSV-20241210	FD	L2473696-18	12/10/2024	GS	TO-15	30 days
FD-IA-2024-1210	FD	L2473696-19	12/10/2024	IA	TO-15 SIM	30 days
TR4-OA-20241211	N	L2473696-20	12/11/2024	AA	TO-15 SIM	30 days
TR4-SSV-1-20241211	N	L2473696-21	12/11/2024	GS	TO-15	30 days
TR4-IA-1-20241211	N	L2473696-22	12/11/2024	IA	TO-15 SIM	30 days
TR4-SSV-3-20241211	N	L2473696-23	12/11/2024	GS	TO-15	30 days
TR4-IA-3-20241211	N	L2473696-24	12/11/2024	IA	TO-15 SIM	30 days
TR4-SSV-4-20241211	N	L2473696-25	12/11/2024	GS	TO-15	30 days
TR4-IA-4-20241211	N	L2473696-26	12/11/2024	IA	TO-15 SIM	30 days
TR19-SSV-7-20241212	N	L2473696-27	12/12/2024	GS	TO-15	30 days
TR19-IA-7-20241212	N	L2473696-28	12/12/2024	IA	TO-15 SIM	30 days
TR19-SSV-4-20241212	N	L2473696-29	12/12/2024	GS	TO-15	30 days
TR19-IA-4-20241212	N	L2473696-30	12/12/2024	IA	TO-15 SIM	30 days
TR19-SSV-5-20241212	N	L2473696-31	12/12/2024	GS	TO-15	30 days
TR19-IA-5-20241212	N	L2473696-32	12/12/2024	IA	TO-15 SIM	30 days
TR5A-SSV-1-20241212	N	L2473696-33	12/12/2024	GS	TO-15	30 days
TR5A-IA-1-20241212	N	L2473696-34	12/12/2024	IA	TO-15 SIM	30 days
TR5A-SSV-2-20241212	N	L2473696-35	12/12/2024	GS	TO-15	30 days
TR5A-IA-2-20241212	N	L2473696-36	12/12/2024	IA	TO-15 SIM	30 days
TR19-OA-20241212	N	L2473696-37	12/12/2024	AA	TO-15 SIM	30 days
FD-SSV-20241212	FD	L2473696-38	12/12/2024	GS	TO-15	30 days
FD-IA-01-20241212	FD	L2473696-39	12/12/2024	IA	TO-15 SIM	30 days
FD-IA-02-20241212	FD	L2473696-40	12/12/2024	IA	TO-15 SIM	30 days
TR5-SSV-1-20241213	N	L2473696-41	12/13/2024	GS	TO-15	30 days
TR5-IA-1-20241213	N	L2473696-42	12/13/2024	IA	TO-15 SIM	30 days
TR5-SSV-2-20241213	N	L2473696-43	12/13/2024	GS	TO-15	30 days
TR5-IA-2-20241213	N	L2473696-44	12/13/2024	IA	TO-15 SIM	30 days
TR5-SSV-3-20241213	N	L2473696-45	12/13/2024	GS	TO-15	30 days
TR5-IA-3-20241213	N	L2473696-46	12/13/2024	IA	TO-15 SIM	30 days
TR5-SSV-4-20241213	N	L2473696-47	12/13/2024	GS	TO15	30 days
TR5-IA-4-20241213	N	L2473696-48	12/13/2024	IA	TO-15 SIM	30 days
TR5-SSV-5-20241213	N	L2473696-49	12/13/2024	GS	TO-15	30 days
TR5-IA-5-20241213	N	L2473696-50	12/13/2024	IA	TO-15 SIM	30 days
TR5-OA-20241213	N	L2473696-51	12/13/2024	AA	TO-15 SIM	30 days
FD-SSV-20241213	FD	L2473696-52	12/13/2024	GS	TO-15	30 days

Sample ID	Sample Type	Lab ID	Sample Date	Matrix	Methods	Holding Time
FD-IA-20241213	FD	L2473696-53	12/13/2024	IA	TO-15 SIM	30 days
TR8-IA-08-20241211	N	L2473709-01	12/11/2024	IA	TO-15 SIM	30 days
TR8-IA-09-20241211	N	L2473709-02	12/11/2024	IA	TO-15 SIM	30 days
TR8-IA-10-20241211	N	L2473709-03	12/11/2024	IA	TO-15 SIM	30 days
TR8-IA-11-20241211	N	L2473709-04	12/11/2024	IA	TO-15 SIM	30 days

1.2 MULTIPLE SAMPLE RESULTS

The laboratory reported multiple results for the samples listed below. The validator chose the results that best met the DQOs of the project.

Lab ID	Analysis Date	Method	Analyte	Qualification
L2473695-02	12/11/2024	TO-15	Trichloroethene	The laboratory reanalyzed the sample due to the concentration exceeding the range of the calibration curve and/or linear range of the instrument and required dilution. The original results are marked non-reportable and the reanalysis results are accepted.

1.3 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per method protocol.

1.4 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Any non-detects with elevated reported limits are noted and explained below.

Samples collected in Summa canisters are pressurized by the laboratory, resulting in a ~2x dilution.

Sample ID	Lab ID	Analyte	Dilution Factor	Issue/Explanation
TR12-SSV-1-20241210	L2473696-16	1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Benzene Carbon tetrachloride Ethylbenzene m,p-Xylenes Methylene chloride (Dichloromethane) o-Xylene Tetrachloroethene	X9.76	Dilution required due to the elevated concentrations of target compounds in the sample.

Sample ID	Lab ID	Analyte	Dilution Factor	Issue/Explanation
		Toluene trans-1,2-Dichloroethene Vinyl chloride Xylene (Total)		

1.5 SURROGATE RECOVERY COMPLIANCE

Refer to Section E 1.2. The percent recovery (%R) for each surrogate compound added to each project sample were determined to be within the laboratory-specified quality control (QC) limits.

1.6 LABORATORY CONTROL SAMPLES

Refer to Section E 1.3. Compounds associated with the laboratory control sample (LCS) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits.

1.7 BLANK SAMPLE ANALYSIS

Refer to Section E 1.5. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

1.8 DUPLICATE SAMPLE ANALYSIS

Refer to Section E 1.6. The following sample(s) were used for laboratory duplicate analysis and the RPDs were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2473696-33	TR5A-SSV-1-20241212	TO-15

The following sample(s) were used for field duplicate analysis. The RPD comparison for detections in either the parent or duplicate sample(s) is shown below. RPDs were all below 35 percent for air (or the absolute difference rule was satisfied if detects were less than 5 times the RL). Any exceptions are noted below and qualified:

Primary Sample ID	Duplicate Sample ID	Method(s)
TR5-SSV-2-20241213	FD-SSV-20241213	TO-15
TR7-IA-1-20241210	FD-IA-2024-1210	TO-15 SIM
TR7-SSV-1-20241210	FD-SSV-20241210	TO-15
TR19-IA-4-20241212	FD-IA-01-20241212	TO-15 SIM
TR5A-IA-1-20241212	FD-IA-02-20241212	TO-15 SIM
TR5-IA-2-20241213	FD-IA-20241213	TO-15 SIM
TR19-SSV-4-20241212	FD-SSV-20241212	TO-15

Field Duplicate RPD Calculations:

Method(s): TO15SIM				
Analyte (ug/m^3)	**Primary Sample ID**	**Duplicate Sample ID**	**% RPD**	**Qualification**
	TR5A-IA-1-20241212	**FD-IA-02-20241212**		
trans-1,2-Dichloroethene	0.139	Non-detect (ND)	55	J/UJ, RPD>35
Analyte (ug/m^3)	**Primary Sample ID**	**Duplicate Sample ID**	**% RPD**	**Qualification**
	TR7-SSV-1-20241210	**FD-SSV-20241210**		
1,1,1-Trichloroethane	5.67	2.41	81	J/UJ, RPD>35
1,1-Dichloroethane	2.23	0.923	83	J/UJ, RPD>35
Trichloroethene	18.1	6.45	95	J/UJ, RPD>35
Xylene (Total)	4.6	2.87	46	J/UJ, RPD>35
cis-1,2-Dichloroethene	1.89	1.13	50	J/UJ, RPD>35
m,p-Xylenes	2.86	1.88	41	J/UJ, RPD>35
o-Xylene	1.74	0.995	54	J/UJ, RPD>35
Analyte (ug/m^3)	**Primary Sample ID**	**Duplicate Sample ID**	**% RPD**	**Qualification**
	TR19-IA-4-20241212	**FD-IA-01-20241212**		
Toluene	1.79	0.908	65	J/UJ, RPD>35
Analyte (ug/m^3)	**Primary Sample ID**	**Duplicate Sample ID**	**% RPD**	**Qualification**
	TR19-SSV-4-20241212	**FD-SSV-20241212**		
m,p-Xylenes	2.65	3.89	38	J/UJ, RPD>35

1.9 PRECISION AND ACCURACY

Refer to Section E 1.7. Some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.10 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 and TO-15 SIM sample collection were certified clean by batch can analysis prior to sampling to ensure that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

1.11 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected. The qualifiers applied to this dataset are summarized in the table below.

Sample ID	Analyte	Reported Result	Validated Result	Reason for Qualifier
TR8-SSV-5-20241211	Trichloroethene	736 E	736	Exceeds Calibration Curve; Alternative Result Available (these results are marked non-reportable)
TR7-SSV-1-20241210	1,1,1-Trichloroethane	5.67	5.67 J	Field Duplicate calculations
FD-SSV-20241210	1,1,1-Trichloroethane	2.41	2.41 J	
TR7-SSV-1-20241210	1,1-Dichloroethane	2.23	2.23 J	
FD-SSV-20241210	1,1-Dichloroethane	0.923	0.923 J	
TR7-SSV-1-20241210	cis-1,2-Dichloroethene	1.89	1.89 J	
FD-SSV-20241210	cis-1,2-Dichloroethene	1.13	1.13 J	
TR7-SSV-1-20241210	m,p-Xylenes	2.86	2.86 J	
FD-SSV-20241210	m,p-Xylenes	1.88	1.88 J	
TR19-IA-4-20241212	Toluene	1.79	1.79 J	
TR19-SSV-4-20241212	m,p-Xylenes	2.65	2.65 J	
TR5A-IA-1-20241212	trans-1,2-Dichloroethene	0.139	0.139 J	
TR7-SSV-1-20241210	o-Xylene	1.74	1.74 J	
FD-SSV-20241210	o-Xylene	0.995	0.995 J	
TR7-SSV-1-20241210	Trichloroethene	18.1	18.1 J	
FD-SSV-20241210	Trichloroethene	6.45	6.45 J	
TR7-SSV-1-20241210	Xylene (Total)	4.6	4.6 J	
FD-SSV-20241210	Xylene (Total)	2.87	2.87 J	
FD-IA-01-20241212	Toluene	0.908	0.908 J	
FD-IA-02-20241212	trans-1,2-Dichloroethene	0.079	0.079 UJ	
FD-SSV-20241212	m,p-Xylenes	3.89	3.89 J	

2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.2 Surrogate Recovery Compliance
  - Surrogates, also known as system monitoring compounds, are compounds added to each sample prior to sample preparation to determining the efficiency of the extraction procedure by evaluating the %R of the compounds.
- E 1.3 Laboratory Control Samples
  - The LCS/laboratory control sample duplicate (LCSD) analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
  - Field blanks are prepared to identify contamination that may have been introduced during field activity. Equipment blanks are prepared to identify contamination that may have been introduced while decontaminating sampling equipment. Trip blanks are prepared when volatile analysis is requested to identify contamination that may have been introduced during transport.
- E 1.6 Laboratory and Field Duplicate Sample Analysis
  - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
  - The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
  - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

3. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
  - EB Equipment Blank Sample
  - FB Field Blank Sample
  - FD Field Duplicate Sample
  - N Primary Sample
  - TB Trip Blank Sample
- Units:
  - µg/kg micrograms per kilogram
  - µg/L micrograms per liter
  - µg/m^3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppb v/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - QW Water Quality
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - WQ Water Quality control matrix
  - WS Surface Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)

- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

4. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorbutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

5. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:

  U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or "ND".

  B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers:

  E The compound was quantitated above the calibration range.

  D The concentration is based on a diluted sample analysis.

- Validation Qualifiers:

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  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.

  J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.

  UJ The compound was not detected above the reported sample quantitation limit; however, the reported limit is estimated and may or may not represent the actual limit of quantitation.

  NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.

  R The sample results were rejected as unusable; the compound may or may not be present in the sample.

  S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June.
2. United States Environmental Protection Agency, 2020. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

Data Usability Summary Report

Project Name: Carrier Thompson

Project Description: Air Samples

Sample Date(s): 5 July 2024

Analytical Laboratory: Alpha Analytical – Mansfield, MA

Validation Performed by: Eric Hitchens

Validation Reviewed by: Katherine Miller

Validation Date: 7 February 2025

Haley & Aldrich, Inc. prepared this Data Usability Summary Report (DUSR) to summarize the review and validation of the analytical results for the Sample Delivery Group (SDG) listed. This DUSR is organized into the following sections:

1. **Sample Delivery Group Number L2438101**
2. **Explanations**
3. **Glossary**
4. **Abbreviations**
5. **Qualifiers**

References

This data validation and usability assessment was performed per the guidance and requirements established by the United States Environmental Protection Agency (USEPA) using the following reference materials:

- National Functional Guidelines (NFG) for Organic Data Review.
- Analysis of Volatile Organic Compounds (VOCs) in Air Contained in Canisters by USEPA Method TO-15.

Data reported in this sampling event were reported to the laboratory reporting limit (RL).

Sample data were qualified in accordance with the laboratory's standard operating procedures (SOPs). The results presented in each laboratory report were found to be compliant with the data quality objectives (DQOs) for the project and are therefore usable; any exceptions are noted in the following pages.

1. Sample Delivery Group Number L2438101

1.1 SAMPLE MANAGEMENT

This DUSR summarizes the review of SDG number L2438101. Samples were also received appropriately, identified correctly, and analyzed according to the COC. Issues noted with sample management are listed below:

- Custody seals were not used when samples were dropped off at the laboratory or service center by the field staff, submitted to a laboratory-provided courier, or when transported between subcontracted laboratories.

Analyses were performed on the following samples:

Sample ID	Sample Type	Lab ID	Sample Collection Date	Matrix	Methods	Holding Time
TR8-IA-1-070524	N	L2438101-01	07/05/2024	IA	TO-15 SIM	30 days
TR8-IA-2-070524	N	L2438101-02	07/05/2024	IA	TO-15 SIM	30 days
TR8-IA-3-070524	N	L2438101-03	07/05/2024	IA	TO-15 SIM	30 days
TR8-IA-4-070524	N	L2438101-04	07/05/2024	IA	TO-15 SIM	30 days
TR8-IA-5-070524	N	L2438101-05	07/05/2024	IA	TO-15 SIM	30 days
TR8-IA-6-070524	N	L2438101-06	07/05/2024	IA	TO-15 SIM	30 days
OA-1-070524	N	L2438101-07	07/05/2024	AA	TO-15 SIM	30 days

1.2 HOLDING TIMES/PRESERVATION

The samples arrived at the laboratory at the proper temperature and were prepared and analyzed within the holding time and preservation criteria specified per the method protocol.

1.3 REPORTING LIMITS AND SAMPLE DILUTIONS

All sample dilutions were reviewed and found to be justified. Samples collected in Summa canisters were pressurized by the laboratory, resulting in a range of dilutions.

1.4 LABORATORY CONTROL SAMPLES

Refer to Section E 1.3. Compounds associated with the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyses associated with client samples exhibited recoveries and relative percent differences (RPDs) within the specified limits.

1.5 BLANK SAMPLE ANALYSIS

Refer to Section E 1.5. Method blank samples had no detections, indicating that no contamination from laboratory activities occurred.

1.6 DUPLICATE SAMPLE ANALYSIS

Refer to Section E 1.6. The following sample was used for laboratory duplicate analysis and the RPDs were all below 20 percent (or the absolute difference rule was satisfied if detects were less than 5 times the RL):

Lab Sample Number	Laboratory Duplicate Sample Client ID	Method(s)
L2438101-05	TR8-IA-5-070524	TO-15 SIM

1.7 PRECISION AND ACCURACY

Refer to Section E 1.7. Where required by the method, some measurement of analytical accuracy and precision was reported for each method with the site samples.

1.8 CLEAN CANISTER CERTIFICATION

The canisters used for the TO-15 sample collection were certified-clean by individual can analysis prior to sampling to ensure that no target analytes were present. These analysis sheets were reviewed, and no target analytes were detected in the laboratory-provided canisters.

1.9 SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

The results presented in this report were found to comply with the DQOs for the project and the guidelines specified by the analytical method. Based on the review of this report, the data are useable and acceptable, as no data was rejected. No qualifiers were applied to any data in this report.

2. Explanations

The following explanations include more detailed information regarding each of the sections in the DUSR above. Not all sections in the Explanations are represented:

- E 1.3 Laboratory Control Samples
  - The LCS/LCSD analyses are used to assess the precision and accuracy of the analytical method independent of matrix interferences.
- E 1.5 Blank Sample Analysis
  - Method blanks are prepared by the analytical laboratory and analyzed concurrently with the project samples to assess possible laboratory contamination.
- E 1.6 Laboratory Duplicate Sample Analysis
  - The laboratory duplicate sample analysis is used by the laboratory at the time of the analysis to demonstrate acceptable method precision. The RPD or absolute difference was evaluated for each duplicate sample pair to monitor the reproducibility of the data.
- E 1.7 Precision and Accuracy
  - Precision measures the reproducibility of repetitive measurements. In a laboratory environment, this will be measured by determining the RPD found between a primary and a duplicate sample. This can be an LCS/LCSD pair, a MS/MSD pair, a laboratory duplicate performed on a site sample, or a field duplicate collected and analyzed concurrently with a site sample.
  - Accuracy is a statistical measurement of the correctness of a measured value and includes components of random error (variability caused by imprecision) and systematic error. In a laboratory environment, this will be measured by determining the %R of certain spiked compounds. This can be assessed using LCS, blank spike (BS), MS, and/or surrogate recoveries.

3. Glossary

Not all of the following symbols, acronyms, or qualifiers occur in this document.

- Sample Types:
  - EB Equipment Blank Sample
  - FB Field Blank Sample
  - FD Field Duplicate Sample
  - N Primary Sample
  - TB Trip Blank Sample
- Units:
  - µg/kg micrograms per kilogram
  - µg/L micrograms per liter
  - µg/m^3 micrograms per cubic meter
  - mg/kg milligrams per kilogram
  - mg/L milligrams per liter
  - ppb v/v parts per billion volume/volume
  - pCi/L picocuries per liter
  - pg/g picograms per gram
  - pg/L picograms per liter
- Matrices:
  - AA Ambient Air
  - GS Soil Gas
  - GW/WG Groundwater
  - QW Water Quality
  - IA Indoor Air
  - SE Sediment
  - SO Soil
  - SSV Sub-slab Vapor
  - WQ Water Quality control matrix
  - WS Surface Water
- Table Footnotes:
  - NA Not applicable
  - ND Non-detect
  - NR Not reported
- Common Symbols:
  - % percent
  - < less than
  - ≤ less than or equal to
  - > greater than
  - ≥ greater than or equal to
  - = equal
  - °C degrees Celsius
  - ± plus or minus
  - ~ approximately
  - x times (multiplier)

- Fractions:
  - N Normal (method cannot be filtered)
  - D Dissolved (filtered)
  - T Total (unfiltered)

4. Abbreviations

%D	Percent Difference
%R	Percent Recovery
%RSD	Percent Relative Standard Deviation
%v/v	Percent volume by volume
2s	2 sigma
4,4-DDT	4 4-dichlorodiphenyltrichloroethane
Abs Diff	Absolute Difference
amu	atomic mass unit
BPJ	Best Professional Judgement
BS	Blank Spike
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CCVL	Continuing Calibration Verification Low
COC	Chain of Custody
COM	Combined Isotope Calculation
Cr (VI)	Hexavalent Chromium
CRI	Collision Reaction Interface
DoD	Department of Defense
DQO	data quality objective
DUSR	Data Usability Summary Report
EIS	Extraction Internal Standard
EMPC	Estimated Maximum Possible Concentration
FBK	Field Blank Contamination
FDP	Field Duplicate
GC	Gas Chromatograph
GC/MS	Gas Chromatography/Mass Spectrometry
GPC	Gel Permeation Chromatography
H_2	Hydrogen gas
HCl	Hydrochloric Acid
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICP/MS	Inductively Coupled Plasma/Mass Spectrometry
ICV	Initial Calibration Verification
ICVL	Initial Calibration Verification Low
IPA	Isopropyl Alcohol
LC	Laboratory Control
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MBK	Method Blank Contamination
MDC	Minimum Detectable Concentration
MDL	Laboratory Method Detection Limit
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NA	not applicable
ND	Non-Detect
NFG	National Functional Guidelines
NH_3	Ammonia
NYSDEC	New York State Department of Environmental Conservation
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PDS	Post-Digestion Spike
PEM	Performance Evaluation Mixture
PFAS	Per- and Polyfluoroalkyl Substances
PFBA	Perfluorbutanoic Acid
PFD	Perfluorodecalin
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane sulfonate
PFPeA	Perfluoropentanoic Acid
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R^2	R-squared value
Ra-226	Radium-226
Ra-228	Radium-228
RESC	Resolution Check Measure
RL	Laboratory Reporting Limit
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SAP	Sampling Analysis Plan
SDG	Sample Delivery Group
SIM	Selected ion monitoring
SOP	Standard Operating Procedure
SPE	Solid-Phase Extraction
SVOC	Semi-Volatile Organic Compound
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
TKN	Total Kjeldahl Nitrogen
TPH	Total Petroleum Hydrocarbon
TPU	Total Propagated Uncertainty
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan

5. Qualifiers

The qualifiers below are from the USEPA NFG and the data in the DUSR may contain these qualifiers:

- Concentration (C) Qualifiers:

  U The compound was analyzed for but not detected. The associated value is either the compound quantitation limit if not detected by the analytical instrument or could be the reported or blank concentration if qualified by blank contamination. This can also be displayed as less than the associated compound quantitation limit (<RL or <MDL), or "ND".

  B The compound was found in the sample and its associated blank. Its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers:

  E The compound was quantitated above the calibration range.

  D The concentration is based on a diluted sample analysis.

- Validation Qualifiers:

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  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.

  J/UJ as listed in exception tables J applies to detected data and UJ applies to non-detected data as reported by the laboratory.

  UJ The compound was not detected. The reported sample quantitation limit is approximate.

  NJ The analysis indicated the presence of a compound for which there is presumptive evidence to make a tentative identification; the associated numerical value is an estimated concentration only.

  R The sample results were rejected as unusable; the compound may or may not be present in the sample.

  S Result is suspect. See DUSR for details.

References

1. United States Environmental Protection Agency, 2014. Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15, SOP NO. HW-31, Revision 6. June.
2. United States Environmental Protection Agency, 2020. National Functional Guidelines for Organic Superfund Methods Data Review. EPA-540-R-20-005. November.

ANALYTICAL REPORT

Lab Number:	L2473694
Client:	Haley & Aldrich 260 E Main St Suite 2100 Rochester, NY 14604
ATTN:	Jennifer Kingston
Phone:	(913) 693-1905
Project Name:	CARRIER-SYRACUSE
Project Number:	0201049-008
Report Date:	12/20/24

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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: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473694
Report Date: 12/20/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473694-01	TR23-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:05	12/13/24
L2473694-02	TR23-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 15:06	12/13/24

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473694
Project Number:	0201049-008	**Report Date:**	12/20/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this 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: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 2 & 11, 2024. The canister certification data is provided as an addendum.

The WG2011514-3 LCS recovery for chlorodifluoromethane (148%) and dodecane (c12) (142%), associated with L2473694-01, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2010415-3 LCS recovery for naphthalene (132%), associated with L2473694-02, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: Jennifer Jerome

Title: Technical Director/Representative Date: 12/20/24

AIR

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

SAMPLE RESULTS

Lab ID: L2473694-01
Client ID: TR23-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:05
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 03:36
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	22.0	0.200	--	87.2	0.793	--		1
1,1-Dichloroethane	17.9	0.200	--	72.4	0.809	--		1
cis-1,2-Dichloroethene	22.1	0.200	--	87.6	0.793	--		1
1,1,1-Trichloroethane	36.1	0.200	--	197	1.09	--		1
Benzene	1.34	0.200	--	4.28	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	75.2	0.200	--	404	1.07	--		1
Toluene	3.08	0.200	--	11.6	0.754	--		1
Tetrachloroethene	0.831	0.200	--	5.64	1.36	--		1
Ethylbenzene	0.466	0.200	--	2.02	0.869	--		1
p/m-Xylene	2.25	0.400	--	9.77	1.74	--		1
o-Xylene	0.812	0.200	--	3.53	0.869	--		1
Xylenes, Total	3.06	0.200	--	13.3	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	109		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	134		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

SAMPLE RESULTS

Lab ID: L2473694-02
Client ID: TR23-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 15:06
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 00:34
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.020	0.020	--	0.079	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.238	0.100	--	0.760	0.319	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
Toluene	0.241	0.100	--	0.908	0.377	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1
Ethylbenzene	0.058	0.020	--	0.252	0.087	--		1
p/m-Xylene	0.168	0.040	--	0.730	0.174	--		1
o-Xylene	0.070	0.020	--	0.304	0.087	--		1
Xylenes, Total	0.238	0.020	--	1.03	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/17/24 20:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02 Batch: WG2010415-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/24 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG2011514-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473694
Report Date: 12/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02 Batch: WG2010415-3								
Vinyl chloride	83		-		70-130	-		25
1,1-Dichloroethene	78		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
trans-1,2-Dichloroethene	73		-		70-130	-		25
1,1-Dichloroethane	70		-		70-130	-		25
cis-1,2-Dichloroethene	74		-		70-130	-		25
1,1,1-Trichloroethane	94		-		70-130	-		25
Benzene	99		-		70-130	-		25
Carbon tetrachloride	104		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
Toluene	81		-		70-130	-		25
Tetrachloroethene	81		-		70-130	-		25
Ethylbenzene	81		-		70-130	-		25
p/m-Xylene	83		-		70-130	-		25
o-Xylene	84		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473694
Report Date: 12/20/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG2011514-3								
Vinyl chloride	83		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
Methylene chloride	107		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
1,1,1-Trichloroethane	82		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Trichloroethene	101		-		70-130	-		
Toluene	98		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
o-Xylene	96		-		70-130	-		

Project Name: CARRIER-SYRACUSE

Project Number: 0201049-008

Lab Number: L2473694

Report Date: 12/20/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt	Flow Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473694-01	TR23-SSV-1	0317	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.1	13
L2473694-01	TR23-SSV-1	3022	2.7L Can	12/02/24	490043	L2468959-02	Pass	-29.3	-8.6	-	-	-	-
L2473694-02	TR23-IA-1	01273	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	4.9	9
L2473694-02	TR23-IA-1	2310	2.7L Can	12/02/24	490043	L2469414-01	Pass	-29.0	-4.7	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 20:31
Analyst: JFI

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.4	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 20:31
Analyst: KJD

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2469414

Project Number: CANISTER QC INDIV **Report Date:** 12/20/24

Air Canister Certification Results

Lab ID: L2469414-01
Client ID: CAN 2310 FC 01273
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/24 21:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 12/20/24

Air Canister Certification Results

Lab ID: L2469414-01
Client ID: CAN 2310 FC 01273
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Nitrogen	1.3	NJ	ppbV		1

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

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2469414

Project Number: CANISTER QC INDIV **Report Date:** 12/20/24

Air Canister Certification Results

Lab ID: L2469414-01
Client ID: CAN 2310 FC 01273
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/24 21:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473694
Report Date: 12/20/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473694-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473694-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473694
Project Number:	0201049-008	**Report Date:**	12/20/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473694
Project Number:	0201049-008	**Report Date:**	12/20/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473694
Project Number:	0201049-008	**Report Date:**	12/20/24

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473694
Report Date: 12/20/24

REFERENCES

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

LIMITATION OF LIABILITIES

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.

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

ALPHA ANALYTICAL

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 12/14/24

ALPHA Job #: L2473694

Client Information

Client: HA Client - Cavotec

Address: ~~200 Town Center Drive Ste 2~~ 55 ~~Rochester, NY, 14623~~

Phone: 913-693-1905

Fax:

Email: jKingstone@haleyaldrich.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Cavotec - Syracuse

Project Location: Thompson Rd, Syracuse, NY

Project #: 0201049-008

Project Manager: C. Anderson

ALPHA Quote #: 27837

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX HA Equis Format

☐ ADEx ASP-B

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

Client Address: 260 E Main St, Ste 2100 Rochester, NY, 14604

0600 MS/MSD CMM/Air Trap 0.5 Liter Summa Canister

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I.D. Can	I.D. Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
T3694-01	TR23-SV-1	12/8/24	0805	1605	29.63	7.50	SV	JMS	2.7	3022	0317	X					
02	TR23-IA-1	1	0806	1506	28.73	5.0	IA	JMS	1	2310	1273		X				

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		12/13/24 1700
	12/13/24 1710		12/13 2300
	12/14 0230		12/14/24 0630

 (26-Sep-18)

ANALYTICAL REPORT

Lab Number:	L2473695
Client:	Haley & Aldrich 260 E Main St Suite 2100 Rochester, NY 14604
ATTN:	Jennifer Kingston
Phone:	(913) 693-1905
Project Name:	CARRIER-SYRACUSE
Project Number:	0201049-008
Report Date:	01/24/25

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: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473695
Report Date: 01/24/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473695-01	TR8-SSV-08	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:40	12/13/24
L2473695-02	TR8-SSV-09	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:26	12/13/24
L2473695-03	TR8-SSV-10	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:16	12/13/24

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473695
Project Number:	0201049-008	**Report Date:**	01/24/25

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:	CARRIER-SYRACUSE	**Lab Number:**	L2473695
Project Number:	0201049-008	**Report Date:**	01/24/25

Case Narrative (continued)

Report Revision

January 24, 2025: The report has been amended to update the sample IDs. A revised CoC is included in the report.

Volatile Organics in Air

Canisters were released from the laboratory on December 2 & 11, 2024. The canister certification data is provided as an addendum.

L2473695-02: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2473695-02D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG2011514-3 LCS recovery for chlorodifluoromethane (148%) and dodecane (c12) (142%), associated with L2473695-01, -02D, -02, and -03, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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:  Jennifer Jerome

Title: Technical Director/Representative Date: 01/24/25

AIR

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473695
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473695-01
Client ID: TR8-SSV-08
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 04:08
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.32	0.200	--	5.34	0.809	--		1
cis-1,2-Dichloroethene	0.413	0.200	--	1.64	0.793	--		1
1,1,1-Trichloroethane	15.1	0.200	--	82.4	1.09	--		1
Benzene	4.55	0.200	--	14.5	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	11.5	0.200	--	61.8	1.07	--		1
Toluene	4.66	0.200	--	17.6	0.754	--		1
Tetrachloroethene	0.394	0.200	--	2.67	1.36	--		1
Ethylbenzene	0.418	0.200	--	1.82	0.869	--		1
p/m-Xylene	2.24	0.400	--	9.73	1.74	--		1
o-Xylene	0.838	0.200	--	3.64	0.869	--		1
Xylenes, Total	3.08	0.200	--	13.4	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	110		60-140
Bromochloromethane	122		60-140
chlorobenzene-d5	138		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473695
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473695-02
Client ID: TR8-SSV-09
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:26
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 04:40
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	7.11	0.200	--	28.8	0.809	--		1
cis-1,2-Dichloroethene	4.45	0.200	--	17.6	0.793	--		1
1,1,1-Trichloroethane	76.1	0.200	--	415	1.09	--		1
Benzene	0.491	0.200	--	1.57	0.639	--		1
Carbon tetrachloride	0.445	0.200	--	2.80	1.26	--		1
Trichloroethene	137	0.200	--	736	1.07	--	E	1
Toluene	0.743	0.200	--	2.80	0.754	--		1
Tetrachloroethene	5.16	0.200	--	35.0	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.856	0.400	--	3.72	1.74	--		1
o-Xylene	0.336	0.200	--	1.46	0.869	--		1
Xylenes, Total	1.19	0.200	--	5.17	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	137		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473695
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473695-02 D
Client ID: TR8-SSV-09
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:26
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 07:55
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Trichloroethene	261	1.00	--	1400	5.37	--		5

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	103		60-140
Bromochloromethane	117		60-140
chlorobenzene-d5	127		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473695
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473695-03
Client ID: TR8-SSV-10
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:16
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 05:10
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	8.08	0.200	--	44.1	1.09	--		1
Benzene	0.240	0.200	--	0.767	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	0.565	0.200	--	3.04	1.07	--		1
Toluene	0.358	0.200	--	1.35	0.754	--		1
Tetrachloroethene	0.210	0.200	--	1.42	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	104		60-140
Bromochloromethane	117		60-140
chlorobenzene-d5	130		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473695
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/24 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG2011514-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473695
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG2011514-3								
Vinyl chloride	83		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
Methylene chloride	107		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
1,1,1-Trichloroethane	82		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Trichloroethene	101		-		70-130	-		
Toluene	98		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
o-Xylene	96		-		70-130	-		

Project Name: CARRIER-SYRACUSE

Lab Number: L2473695

Project Number: 0201049-008

Report Date: 01/24/25

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473695-01	TR8-SSV-08	0985	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.0	11
L2473695-01	TR8-SSV-08	1728	2.7L Can	12/02/24	490043	L2468959-02	Pass	-29.4	-6.2	-	-	-	-
L2473695-02	TR8-SSV-09	01827	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	4.7	4
L2473695-02	TR8-SSV-09	408	2.7L Can	12/02/24	490043	L2468959-02	Pass	-29.3	-6.1	-	-	-	-
L2473695-03	TR8-SSV-10	01004	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.1	13
L2473695-03	TR8-SSV-10	231	2.7L Can	12/02/24	490043	L2468959-02	Pass	-29.3	-7.1	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 20:31
Analyst: JFI

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

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

Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.4	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 20:31
Analyst: KJD

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

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

Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468959
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468959-02
Client ID: CAN 217 SHELF 9
Sample Location:

Date Collected: 11/21/24 16:00
Date Received: 11/22/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473695
Report Date: 01/24/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473695-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473695-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473695-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473695
Project Number:	0201049-008	**Report Date:**	01/24/25

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: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473695
Project Number:	0201049-008	**Report Date:**	01/24/25

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473695
Project Number:	0201049-008	**Report Date:**	01/24/25

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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.

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.
MADEP-APH.
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 test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Alpha SOP 23528

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

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Client Information

Client: HA Client- Cwarter
Address: 260 E. Main St. Ste 2100 Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: jkingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Cwarter-Syracuse
Project Location: Thompson Rd., Syracuse, NY
Project #: 0204049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX ☐ ADEx HA Equis Format AS P-B
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

ALPHA Job #:

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
TR8-SSV-08	TR8-SSV-4	12/11/24	0840	1640	29.3	5.00	SV	JMS	2.7	1728	0985	X					
TR8-SSV-09	TR8-SSV-5	"	0826	1626	30.3	5.17	"	"	"	408	1827	X					
TR8-SSV-10	TR8-SSV-6	"	0816	1616	29.48	6.37	"	"	"	231	1004	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 1800		

ANALYTICAL REPORT

Lab Number:	L2473696
Client:	Haley & Aldrich 260 E Main St Suite 2100 Rochester, NY 14604
ATTN:	Jennifer Kingston
Phone:	(913) 693-1905
Project Name:	CARRIER-SYRACUSE
Project Number:	0201049-008
Report Date:	01/06/25

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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: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473696-01	TR7-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:31	12/13/24
L2473696-02	TR7-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:32	12/13/24
L2473696-03	TR7-SSV-4	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:35	12/13/24
L2473696-04	TR7-IA-4	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:36	12/13/24
L2473696-05	TR7-SSV-3	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:37	12/13/24
L2473696-06	TR7-IA-3	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:38	12/13/24
L2473696-07	TR7-SSV-5	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:40	12/13/24
L2473696-08	TR7-IA-5	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:41	12/13/24
L2473696-09	TR7-SSV-6	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:40	12/13/24
L2473696-10	TR7-IA-6	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:40	12/13/24
L2473696-11	TR7-SSV-2	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:44	12/13/24
L2473696-12	TR7-IA-2	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:45	12/13/24
L2473696-13	TR7-OA-20241210	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:52	12/13/24
L2473696-14	TR6A-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:53	12/13/24
L2473696-15	TR6A-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:53	12/13/24
L2473696-16	TR12-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 18:39	12/13/24
L2473696-17	TR12-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 18:40	12/13/24
L2473696-18	FD-SSV-20241210	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/10/24 12:55	12/13/24
L2473696-19	FD-IA-2024-1210	AIR	THOMPSON RD, SYRACUSE, NY	12/10/24 17:32	12/13/24
L2473696-20	TR4-OA-20241211	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:52	12/13/24
L2473696-21	TR4-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:14	12/13/24
L2473696-22	TR4-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:02	12/13/24
L2473696-23	TR4-SSV-3	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:00	12/13/24
L2473696-24	TR4-IA-3	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:24	12/13/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473696-25	TR4-SSV-4	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:42	12/13/24
L2473696-26	TR4-IA-4	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 17:31	12/13/24
L2473696-27	TR19-SSV-7	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 15:42	12/13/24
L2473696-28	TR19-IA-7	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 15:45	12/13/24
L2473696-29	TR19-SSV-4	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 15:50	12/13/24
L2473696-30	TR19-IA-4	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:00	12/13/24
L2473696-31	TR19-SSV-5	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:28	12/13/24
L2473696-32	TR19-IA-5	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:27	12/13/24
L2473696-33	TR5A-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:46	12/13/24
L2473696-34	TR5A-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:45	12/13/24
L2473696-35	TR5A-SSV-2	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:58	12/13/24
L2473696-36	TR5A-IA-2	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:36	12/13/24
L2473696-37	TR19-OA-20241212	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 17:00	12/13/24
L2473696-38	FD-SSV-20241212	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/12/24 15:50	12/13/24
L2473696-39	FD-IA-01-20241212	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:00	12/13/24
L2473696-40	FD-IA-02-20241212	AIR	THOMPSON RD, SYRACUSE, NY	12/12/24 16:33	12/13/24
L2473696-41	TR5-SSV-1	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 14:53	12/13/24
L2473696-42	TR5-IA-1	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 14:46	12/13/24
L2473696-43	TR5-SSV-2	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:15	12/13/24
L2473696-44	TR5-IA-2	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 14:28	12/13/24
L2473696-45	TR5-SSV-3	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:50	12/13/24
L2473696-46	TR5-IA-3	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:16	12/13/24
L2473696-47	TR5-SSV-4	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:45	12/13/24
L2473696-48	TR5-IA-4	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:43	12/13/24
L2473696-49	TR5-SSV-5	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 17:38	12/13/24
L2473696-50	TR5-IA-5	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 17:40	12/13/24
L2473696-51	TR5-OA-20241213	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:52	12/13/24
L2473696-52	FD-SSV-20241213	SOIL_VAPOR	THOMPSON RD, SYRACUSE, NY	12/13/24 15:15	12/13/24

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473696-53	FD-IA-20241213	AIR	THOMPSON RD, SYRACUSE, NY	12/13/24 13:03	12/13/24

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473696
Project Number:	0201049-008	**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: CARRIER-SYRACUSE **Lab Number:** L2473696
Project Number: 0201049-008 **Report Date:** 01/06/25

Case Narrative (continued)

Report Revision
January 6, 2025 the report has been amended to correct the sample IDs for L2473696-35 and L2473696-36 which were missing an "A" in the sample ID.

Volatile Organics in Air
Canisters were released from the laboratory on December 2, 2024. The canister certification data is provided as an addendum.

L2473696-14D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2473696-16D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2473696-35D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2473696-47D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Sample Receipt
L2473696-03: The canister ID number for the sample is listed on the CoC as 3021 but should be 3201.

L2473696-41:The canister ID number for the sample is listed on the CoC as 228 but should be 222.

The WG2010415-3 LCS recovery for naphthalene (132%), associated with L2473696-02, -04, -06, -08, -10,

Project Name: CARRIER-SYRACUSE **Lab Number:** L2473696
Project Number: 0201049-008 **Report Date:** 01/06/25

Case Narrative (continued)

-12, -13, -15, -17, -19, -20, -22, -24, and -26, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2011514-3 LCS recovery for chlorodifluoromethane (148%) and dodecane (c12) (142%), associated with L2473696-01, -03, -05, -07, -09, -11, -14D, -16D, -18, and -21, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2013816-3 LCS recovery for 1,2-dichloro-1,1,2,2-tetrafluoroethane (137%), bromomethane (137%), bromoform (136%), p-chlorotoluene (131%), 1,4-dichlorobenzene (132%), 1,2,4-trichlorobenzene (132%) and 1,2,3-trichlorobenzene (134%), associated with L2473696-23, -25, -29, -31, -33, -35D, -38, and -41, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2014249-3 LCS recovery for propylene (133%) and 3-chloropropene (132%), associated with L2473696-27, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

The WG2014433-3 LCS recovery for propylene (133%), 3-chloropropene (135%) and ethyl acetate (136%), associated with L2473696-43, -45, -47D, -49, and -52, is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-01
Client ID: TR7-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:31
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/24 22:09
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.550	0.200	--	2.23	0.809	--		1
cis-1,2-Dichloroethene	0.477	0.200	--	1.89	0.793	--		1
1,1,1-Trichloroethane	1.04	0.200	--	5.67	1.09	--		1
Benzene	0.490	0.200	--	1.57	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	3.37	0.200	--	18.1	1.07	--		1
Toluene	0.761	0.200	--	2.87	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.658	0.400	--	2.86	1.74	--		1
o-Xylene	0.400	0.200	--	1.74	0.869	--		1
Xylenes, Total	1.06	0.200	--	4.60	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	107		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	133		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-02
Client ID: TR7-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:32
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 01:12
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.223	0.100	--	0.712	0.319	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.233	0.100	--	0.878	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.078	0.020	--	0.339	0.087	--		1
p/m-Xylene	0.266	0.040	--	1.16	0.174	--		1
o-Xylene	0.079	0.020	--	0.343	0.087	--		1
Xylenes, Total	0.345	0.020	--	1.50	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	101		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-03
Client ID: TR7-SSV-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:35
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/24 22:42
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	3.96	0.200	--	16.0	0.809	--		1
cis-1,2-Dichloroethene	4.47	0.200	--	17.7	0.793	--		1
1,1,1-Trichloroethane	1.53	0.200	--	8.35	1.09	--		1
Benzene	0.207	0.200	--	0.661	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	7.37	0.200	--	39.6	1.07	--		1
Toluene	0.639	0.200	--	2.41	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	0.221	0.200	--	0.960	0.869	--		1
p/m-Xylene	0.847	0.400	--	3.68	1.74	--		1
o-Xylene	0.491	0.200	--	2.13	0.869	--		1
Xylenes, Total	1.34	0.200	--	5.82	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	106		60-140
Bromochloromethane	119		60-140
chlorobenzene-d5	132		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-04
Client ID: TR7-IA-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:36
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 01:49
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.216	0.100	--	0.690	0.319	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.243	0.100	--	0.916	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.073	0.020	--	0.317	0.087	--		1
p/m-Xylene	0.251	0.040	--	1.09	0.174	--		1
o-Xylene	0.075	0.020	--	0.326	0.087	--		1
Xylenes, Total	0.326	0.020	--	1.42	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	103		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-05
Client ID: TR7-SSV-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:37
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/24 23:16
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	0.204	0.200	--	1.11	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	1.12	0.200	--	6.02	1.07	--		1
Toluene	0.287	0.200	--	1.08	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	0.262	0.200	--	1.14	0.869	--		1
Xylenes, Total	0.262	0.200	--	1.14	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	106		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	134		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-06
Client ID: TR7-IA-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:38
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 02:27
Analyst: TPH

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.219	0.100	--	0.700	0.319	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.232	0.100	--	0.874	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.071	0.020	--	0.308	0.087	--		1
p/m-Xylene	0.238	0.040	--	1.03	0.174	--		1
o-Xylene	0.071	0.020	--	0.308	0.087	--		1
Xylenes, Total	0.309	0.020	--	1.34	0.087	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	106		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	103		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-07
Client ID: TR7-SSV-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/19/24 23:49
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	0.643	0.200	--	3.51	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	0.565	0.200	--	3.04	1.07	--		1
Toluene	0.332	0.200	--	1.25	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.679	0.400	--	2.95	1.74	--		1
o-Xylene	0.231	0.200	--	1.00	0.869	--		1
Xylenes, Total	0.910	0.200	--	3.95	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	105		60-140
Bromochloromethane	119		60-140
chlorobenzene-d5	133		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-08
Client ID: TR7-IA-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:41
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 03:04
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.221	0.100	--	0.706	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.235	0.100	--	0.886	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.072	0.020	--	0.313	0.087	--		1
p/m-Xylene	0.244	0.040	--	1.06	0.174	--		1
o-Xylene	0.071	0.020	--	0.308	0.087	--		1
Xylenes, Total	0.315	0.020	--	1.37	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-09
Client ID: TR7-SSV-6
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 00:23
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	1.58	0.200	--	8.62	1.09	--		1
Benzene	0.236	0.200	--	0.754	0.639	--		1
Carbon tetrachloride	0.210	0.200	--	1.32	1.26	--		1
Trichloroethene	1.95	0.200	--	10.5	1.07	--		1
Toluene	1.28	0.200	--	4.82	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	0.543	0.200	--	2.36	0.869	--		1
p/m-Xylene	2.28	0.400	--	9.90	1.74	--		1
o-Xylene	1.12	0.200	--	4.86	0.869	--		1
Xylenes, Total	3.40	0.200	--	14.8	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	107		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	139		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-10
Client ID: TR7-IA-6
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 03:42
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.217	0.100	--	0.693	0.319	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.226	0.100	--	0.852	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.075	0.020	--	0.326	0.087	--		1
p/m-Xylene	0.249	0.040	--	1.08	0.174	--		1
o-Xylene	0.072	0.020	--	0.313	0.087	--		1
Xylenes, Total	0.321	0.020	--	1.39	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	104		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-11
Client ID: TR7-SSV-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:44
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 00:57
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.73	0.200	--	7.00	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	4.16	0.200	--	22.7	1.09	--		1
Benzene	0.317	0.200	--	1.01	0.639	--		1
Carbon tetrachloride	0.200	0.200	--	1.26	1.26	--		1
Trichloroethene	3.53	0.200	--	19.0	1.07	--		1
Toluene	0.704	0.200	--	2.65	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	17.8	0.200	--	77.3	0.869	--		1
p/m-Xylene	43.0	0.400	--	187	1.74	--		1
o-Xylene	31.7	0.200	--	138	0.869	--		1
Xylenes, Total	74.7	0.200	--	324	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	121		60-140
chlorobenzene-d5	136		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-12
Client ID: TR7-IA-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:45
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 04:20
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.217	0.100	--	0.693	0.319	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.278	0.100	--	1.05	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.075	0.020	--	0.326	0.087	--		1
p/m-Xylene	0.239	0.040	--	1.04	0.174	--		1
o-Xylene	0.068	0.020	--	0.295	0.087	--		1
Xylenes, Total	0.307	0.020	--	1.33	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-13
Client ID: TR7-OA-20241210
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:52
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 04:58
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.208	0.100	--	0.664	0.319	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.201	0.100	--	0.757	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.065	0.020	--	0.282	0.087	--		1
p/m-Xylene	0.213	0.040	--	0.925	0.174	--		1
o-Xylene	0.058	0.020	--	0.252	0.087	--		1
Xylenes, Total	0.271	0.020	--	1.18	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	101		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-14 D
Client ID: TR6A-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:53
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 01:27
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.417	--	ND	1.07	--		2.083
1,1-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
Methylene chloride	ND	1.04	--	ND	3.61	--		2.083
trans-1,2-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
1,1-Dichloroethane	ND	0.417	--	ND	1.69	--		2.083
cis-1,2-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
1,1,1-Trichloroethane	112	0.417	--	611	2.28	--		2.083
Benzene	ND	0.417	--	ND	1.33	--		2.083
Carbon tetrachloride	5.34	0.417	--	33.6	2.62	--		2.083
Trichloroethene	1.63	0.417	--	8.76	2.24	--		2.083
Toluene	ND	0.417	--	ND	1.57	--		2.083
Tetrachloroethene	29.9	0.417	--	203	2.83	--		2.083
Ethylbenzene	ND	0.417	--	ND	1.81	--		2.083
p/m-Xylene	ND	0.833	--	ND	3.62	--		2.083
o-Xylene	ND	0.417	--	ND	1.81	--		2.083
Xylenes, Total	ND	0.417	--	ND	1.81	--		2.083

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	109		60-140
Bromochloromethane	123		60-140
chlorobenzene-d5	134		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-15
Client ID: TR6A-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:53
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 05:35
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.232	0.100	--	0.741	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.281	0.100	--	1.06	0.377	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1
Ethylbenzene	0.175	0.020	--	0.760	0.087	--		1
p/m-Xylene	0.734	0.040	--	3.19	0.174	--		1
o-Xylene	0.284	0.020	--	1.23	0.087	--		1
Xylenes, Total	1.02	0.020	--	4.43	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	105		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	101		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-16 D
Client ID: TR12-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 18:39
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 01:56
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	1.95	--	ND	4.98	--		9.762
1,1-Dichloroethene	ND	1.95	--	ND	7.73	--		9.762
Methylene chloride	ND	4.88	--	ND	17.0	--		9.762
trans-1,2-Dichloroethene	ND	1.95	--	ND	7.73	--		9.762
1,1-Dichloroethane	ND	1.95	--	ND	7.89	--		9.762
cis-1,2-Dichloroethene	9.80	1.95	--	38.9	7.73	--		9.762
1,1,1-Trichloroethane	ND	1.95	--	ND	10.6	--		9.762
Benzene	ND	1.95	--	ND	6.23	--		9.762
Carbon tetrachloride	ND	1.95	--	ND	12.3	--		9.762
Trichloroethene	29.5	1.95	--	159	10.5	--		9.762
Toluene	ND	1.95	--	ND	7.35	--		9.762
Tetrachloroethene	ND	1.95	--	ND	13.2	--		9.762
Ethylbenzene	ND	1.95	--	ND	8.47	--		9.762
p/m-Xylene	ND	3.90	--	ND	16.9	--		9.762
o-Xylene	ND	1.95	--	ND	8.47	--		9.762
Xylenes, Total	ND	1.95	--	ND	8.47	--		9.762

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	106		60-140
Bromochloromethane	120		60-140
chlorobenzene-d5	132		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-17
Client ID: TR12-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 18:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 06:13
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	0.035	0.020	--	0.090	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.024	0.020	--	0.095	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	0.082	0.020	--	0.325	0.079	--		1
1,1,1-Trichloroethane	0.124	0.020	--	0.677	0.109	--		1
Benzene	0.271	0.100	--	0.866	0.319	--		1
Carbon tetrachloride	0.099	0.020	--	0.623	0.126	--		1
Trichloroethene	0.119	0.020	--	0.640	0.107	--		1
Toluene	0.685	0.100	--	2.58	0.377	--		1
Tetrachloroethene	0.083	0.020	--	0.563	0.136	--		1
Ethylbenzene	0.128	0.020	--	0.556	0.087	--		1
p/m-Xylene	0.401	0.040	--	1.74	0.174	--		1
o-Xylene	0.129	0.020	--	0.560	0.087	--		1
Xylenes, Total	0.530	0.020	--	2.30	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	103		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	101		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-18
Client ID: FD-SSV-20241210
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 12:55
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 02:29
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.228	0.200	--	0.923	0.809	--		1
cis-1,2-Dichloroethene	0.285	0.200	--	1.13	0.793	--		1
1,1,1-Trichloroethane	0.441	0.200	--	2.41	1.09	--		1
Benzene	0.343	0.200	--	1.10	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	1.20	0.200	--	6.45	1.07	--		1
Toluene	0.553	0.200	--	2.08	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.432	0.400	--	1.88	1.74	--		1
o-Xylene	0.229	0.200	--	0.995	0.869	--		1
Xylenes, Total	0.661	0.200	--	2.87	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	104		60-140
Bromochloromethane	119		60-140
chlorobenzene-d5	133		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-19
Client ID: FD-IA-2024-1210
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/10/24 17:32
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 06:51
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.225	0.100	--	0.719	0.319	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.245	0.100	--	0.923	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.082	0.020	--	0.356	0.087	--		1
p/m-Xylene	0.276	0.040	--	1.20	0.174	--		1
o-Xylene	0.087	0.020	--	0.378	0.087	--		1
Xylenes, Total	0.363	0.020	--	1.58	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	109		60-140
chlorobenzene-d5	103		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-20
Client ID: TR4-OA-20241211
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:52
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 07:29
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.020	0.020	--	0.079	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.211	0.100	--	0.674	0.319	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.175	0.100	--	0.659	0.377	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1
Ethylbenzene	0.037	0.020	--	0.161	0.087	--		1
p/m-Xylene	0.077	0.040	--	0.334	0.174	--		1
o-Xylene	0.032	0.020	--	0.139	0.087	--		1
Xylenes, Total	0.109	0.020	--	0.473	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	105		60-140
bromochloromethane	109		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-21
Client ID: TR4-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:14
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/20/24 03:02
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	6.04	0.200	--	33.0	1.09	--		1
Benzene	0.242	0.200	--	0.773	0.639	--		1
Carbon tetrachloride	0.202	0.200	--	1.27	1.26	--		1
Trichloroethene	14.6	0.200	--	78.5	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	0.280	0.200	--	1.90	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	105		60-140
Bromochloromethane	119		60-140
chlorobenzene-d5	131		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-22
Client ID: TR4-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:02
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 08:07
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.026	0.020	--	0.103	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.213	0.100	--	0.680	0.319	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	0.024	0.020	--	0.129	0.107	--		1
Toluene	0.257	0.100	--	0.969	0.377	--		1
Tetrachloroethene	0.055	0.020	--	0.373	0.136	--		1
Ethylbenzene	0.084	0.020	--	0.365	0.087	--		1
p/m-Xylene	0.279	0.040	--	1.21	0.174	--		1
o-Xylene	0.100	0.020	--	0.434	0.087	--		1
Xylenes, Total	0.379	0.020	--	1.65	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	101		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-23
Client ID: TR4-SSV-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:00
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 18:01
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	1.35	0.200	--	5.46	0.809	--		1
cis-1,2-Dichloroethene	0.915	0.200	--	3.63	0.793	--		1
1,1,1-Trichloroethane	0.872	0.200	--	4.76	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	1.64	0.200	--	8.81	1.07	--		1
Toluene	0.224	0.200	--	0.844	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	89		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-24
Client ID: TR4-IA-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:24
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 08:44
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.022	0.020	--	0.087	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.250	0.100	--	0.799	0.319	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	0.024	0.020	--	0.129	0.107	--		1
Toluene	0.285	0.100	--	1.07	0.377	--		1
Tetrachloroethene	0.028	0.020	--	0.190	0.136	--		1
Ethylbenzene	0.047	0.020	--	0.204	0.087	--		1
p/m-Xylene	0.150	0.040	--	0.652	0.174	--		1
o-Xylene	0.088	0.020	--	0.382	0.087	--		1
Xylenes, Total	0.238	0.020	--	1.03	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	102		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	100		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-25
Client ID: TR4-SSV-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:42
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 18:41
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	0.264	0.200	--	1.44	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	4.30	0.200	--	23.1	1.07	--		1
Toluene	0.307	0.200	--	1.16	0.754	--		1
Tetrachloroethene	0.235	0.200	--	1.59	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-26
Client ID: TR4-IA-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 17:31
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/18/24 09:22
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.076	0.020	--	0.301	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.206	0.100	--	0.658	0.319	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.231	0.100	--	0.871	0.377	--		1
Tetrachloroethene	0.024	0.020	--	0.163	0.136	--		1
Ethylbenzene	0.050	0.020	--	0.217	0.087	--		1
p/m-Xylene	0.164	0.040	--	0.712	0.174	--		1
o-Xylene	0.075	0.020	--	0.326	0.087	--		1
Xylenes, Total	0.239	0.020	--	1.04	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	104		60-140
bromochloromethane	110		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-27
Client ID: TR19-SSV-7
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 15:42
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/28/24 05:40
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	0.386	0.200	--	1.56	0.809	--		1
cis-1,2-Dichloroethene	1.83	0.200	--	7.26	0.793	--		1
1,1,1-Trichloroethane	3.43	0.200	--	18.7	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	45.8	0.200	--	246	1.07	--		1
Toluene	0.459	0.200	--	1.73	0.754	--		1
Tetrachloroethene	13.1	0.200	--	88.8	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.570	0.400	--	2.48	1.74	--		1
o-Xylene	0.296	0.200	--	1.29	0.869	--		1
Xylenes, Total	0.866	0.200	--	3.76	0.869	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-28
Client ID: TR19-IA-7
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 15:45
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 16:52
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.024	0.020	--	0.095	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.143	0.100	--	0.457	0.319	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.322	0.100	--	1.21	0.377	--		1
Tetrachloroethene	0.036	0.020	--	0.244	0.136	--		1
Ethylbenzene	0.074	0.020	--	0.321	0.087	--		1
p/m-Xylene	0.276	0.040	--	1.20	0.174	--		1
o-Xylene	0.134	0.020	--	0.582	0.087	--		1
Xylenes, Total	0.410	0.020	--	1.78	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-29
Client ID: TR19-SSV-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 15:50
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 19:57
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	2.00	0.200	--	5.11	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	13.8	0.200	--	54.7	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	69.9	0.200	--	277	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.298	0.200	--	0.952	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	30.7	0.200	--	165	1.07	--		1
Toluene	0.354	0.200	--	1.33	0.754	--		1
Tetrachloroethene	5.59	0.200	--	37.9	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.610	0.400	--	2.65	1.74	--		1
o-Xylene	0.448	0.200	--	1.95	0.869	--		1
Xylenes, Total	1.06	0.200	--	4.60	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	92		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-30
Client ID: TR19-IA-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:00
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 17:26
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.238	0.100	--	0.760	0.319	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.474	0.100	--	1.79	0.377	--		1
Tetrachloroethene	0.087	0.020	--	0.590	0.136	--		1
Ethylbenzene	0.139	0.020	--	0.604	0.087	--		1
p/m-Xylene	0.522	0.040	--	2.27	0.174	--		1
o-Xylene	0.211	0.020	--	0.916	0.087	--		1
Xylenes, Total	0.733	0.020	--	3.18	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	100		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-31
Client ID: TR19-SSV-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:28
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 20:37
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	0.583	0.200	--	2.20	0.754	--		1
Tetrachloroethene	0.239	0.200	--	1.62	1.36	--		1
Ethylbenzene	0.682	0.200	--	2.96	0.869	--		1
p/m-Xylene	4.53	0.400	--	19.7	1.74	--		1
o-Xylene	1.79	0.200	--	7.77	0.869	--		1
Xylenes, Total	6.32	0.200	--	27.5	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-32
Client ID: TR19-IA-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:27
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 18:00
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.187	0.100	--	0.597	0.319	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.243	0.100	--	0.916	0.377	--		1
Tetrachloroethene	0.048	0.020	--	0.325	0.136	--		1
Ethylbenzene	0.082	0.020	--	0.356	0.087	--		1
p/m-Xylene	0.312	0.040	--	1.36	0.174	--		1
o-Xylene	0.140	0.020	--	0.608	0.087	--		1
Xylenes, Total	0.452	0.020	--	1.96	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-33
Client ID: TR5A-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:46
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 21:15
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.212	0.200	--	0.677	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	1.82	0.200	--	6.86	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	10.4	0.200	--	45.2	0.869	--		1
p/m-Xylene	23.6	0.400	--	103	1.74	--		1
o-Xylene	4.08	0.200	--	17.7	0.869	--		1
Xylenes, Total	27.7	0.200	--	120	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	99		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-34
Client ID: TR5A-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

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

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 18:32
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.035	0.020	--	0.139	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.133	0.100	--	0.425	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.451	0.100	--	1.70	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.119	0.020	--	0.517	0.087	--		1
p/m-Xylene	0.442	0.040	--	1.92	0.174	--		1
o-Xylene	0.145	0.020	--	0.630	0.087	--		1
Xylenes, Total	0.587	0.020	--	2.55	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	102		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-35 D
Client ID: TR5A-SSV-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:58
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 22:31
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.417	--	ND	1.07	--		2.083
1,1-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
Methylene chloride	ND	1.04	--	ND	3.61	--		2.083
trans-1,2-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
1,1-Dichloroethane	ND	0.417	--	ND	1.69	--		2.083
cis-1,2-Dichloroethene	ND	0.417	--	ND	1.65	--		2.083
1,1,1-Trichloroethane	ND	0.417	--	ND	2.28	--		2.083
Benzene	0.779	0.417	--	2.49	1.33	--		2.083
Carbon tetrachloride	ND	0.417	--	ND	2.62	--		2.083
Trichloroethene	0.758	0.417	--	4.07	2.24	--		2.083
Toluene	7.62	0.417	--	28.7	1.57	--		2.083
Tetrachloroethene	0.706	0.417	--	4.79	2.83	--		2.083
Ethylbenzene	173	0.417	--	751	1.81	--		2.083
p/m-Xylene	310	0.833	--	1350	3.62	--		2.083
o-Xylene	110	0.417	--	478	1.81	--		2.083
Xylenes, Total	421	0.417	--	1830	1.81	--		2.083

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-36
Client ID: TR5A-IA-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:36
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 19:05
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.114	0.100	--	0.364	0.319	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.688	0.100	--	2.59	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.136	0.020	--	0.591	0.087	--		1
p/m-Xylene	0.486	0.040	--	2.11	0.174	--		1
o-Xylene	0.125	0.020	--	0.543	0.087	--		1
Xylenes, Total	0.611	0.020	--	2.65	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	99		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-37
Client ID: TR19-OA-20241212
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 17:00
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 19:37
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.101	0.100	--	0.323	0.319	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	99		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-38
Client ID: FD-SSV-20241212
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 15:50
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 23:11
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	2.28	0.200	--	5.83	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	14.7	0.200	--	58.3	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	74.1	0.200	--	294	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.237	0.200	--	0.757	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	31.8	0.200	--	171	1.07	--		1
Toluene	0.352	0.200	--	1.33	0.754	--		1
Tetrachloroethene	6.09	0.200	--	41.3	1.36	--		1
Ethylbenzene	0.270	0.200	--	1.17	0.869	--		1
p/m-Xylene	0.895	0.400	--	3.89	1.74	--		1
o-Xylene	0.548	0.200	--	2.38	0.869	--		1
Xylenes, Total	1.44	0.200	--	6.25	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	89		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-39
Client ID: FD-IA-01-20241212
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:00
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 20:13
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.200	0.100	--	0.639	0.319	--		1
Carbon tetrachloride	0.091	0.020	--	0.572	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.241	0.100	--	0.908	0.377	--		1
Tetrachloroethene	0.088	0.020	--	0.597	0.136	--		1
Ethylbenzene	0.123	0.020	--	0.534	0.087	--		1
p/m-Xylene	0.463	0.040	--	2.01	0.174	--		1
o-Xylene	0.194	0.020	--	0.843	0.087	--		1
Xylenes, Total	0.657	0.020	--	2.85	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	100		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-40
Client ID: FD-IA-02-20241212
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/12/24 16:33
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 20:46
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.105	0.100	--	0.335	0.319	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.401	0.100	--	1.51	0.377	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1
Ethylbenzene	0.125	0.020	--	0.543	0.087	--		1
p/m-Xylene	0.449	0.040	--	1.95	0.174	--		1
o-Xylene	0.111	0.020	--	0.482	0.087	--		1
Xylenes, Total	0.560	0.020	--	2.43	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-41
Client ID: TR5-SSV-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 14:53
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/26/24 23:50
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	24.7	0.200	--	135	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	1.62	0.200	--	10.2	1.26	--		1
Trichloroethene	5.37	0.200	--	28.9	1.07	--		1
Toluene	0.285	0.200	--	1.07	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.411	0.400	--	1.79	1.74	--		1
o-Xylene	0.200	0.200	--	0.869	0.869	--		1
Xylenes, Total	0.611	0.200	--	2.65	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-42
Client ID: TR5-IA-1
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 14:46
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 21:16
Analyst: TPH

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.128	0.100	--	0.409	0.319	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1
Toluene	0.159	0.100	--	0.599	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.071	0.020	--	0.308	0.087	--		1
p/m-Xylene	0.127	0.040	--	0.552	0.174	--		1
o-Xylene	0.048	0.020	--	0.208	0.087	--		1
Xylenes, Total	0.175	0.020	--	0.760	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-43
Client ID: TR5-SSV-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:15
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/29/24 01:38
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	1.04	0.200	--	5.67	1.09	--		1
Benzene	0.310	0.200	--	0.990	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	21.1	0.200	--	113	1.07	--		1
Toluene	10.3	0.200	--	38.8	0.754	--		1
Tetrachloroethene	0.453	0.200	--	3.07	1.36	--		1
Ethylbenzene	15.4	0.200	--	66.9	0.869	--		1
p/m-Xylene	53.4	0.400	--	232	1.74	--		1
o-Xylene	31.4	0.200	--	136	0.869	--		1
Xylenes, Total	84.8	0.200	--	368	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	93		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	132		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-44
Client ID: TR5-IA-2
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 14:28
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 21:53
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.199	0.100	--	0.636	0.319	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	0.126	--		1
Trichloroethene	0.022	0.020	--	0.118	0.107	--		1
Toluene	0.379	0.100	--	1.43	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.081	0.020	--	0.352	0.087	--		1
p/m-Xylene	0.284	0.040	--	1.23	0.174	--		1
o-Xylene	0.113	0.020	--	0.491	0.087	--		1
Xylenes, Total	0.397	0.020	--	1.72	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-45
Client ID: TR5-SSV-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:50
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/29/24 02:16
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	13.3	0.200	--	72.6	1.09	--		1
Benzene	0.247	0.200	--	0.789	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	13.9	0.200	--	74.7	1.07	--		1
Toluene	1.26	0.200	--	4.75	0.754	--		1
Tetrachloroethene	0.250	0.200	--	1.70	1.36	--		1
Ethylbenzene	0.520	0.200	--	2.26	0.869	--		1
p/m-Xylene	2.02	0.400	--	8.77	1.74	--		1
o-Xylene	1.06	0.200	--	4.60	0.869	--		1
Xylenes, Total	3.08	0.200	--	13.4	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	79		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	76		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-46
Client ID: TR5-IA-3
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:16
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 22:31
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.138	0.100	--	0.441	0.319	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	0.216	0.100	--	0.814	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.054	0.020	--	0.235	0.087	--		1
p/m-Xylene	0.202	0.040	--	0.877	0.174	--		1
o-Xylene	0.091	0.020	--	0.395	0.087	--		1
Xylenes, Total	0.293	0.020	--	1.27	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-47 D
Client ID: TR5-SSV-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:45
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/29/24 02:52
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
trans-1,2-Dichloroethene	7.44	0.400	--	29.5	1.59	--		2
1,1-Dichloroethane	0.470	0.400	--	1.90	1.62	--		2
cis-1,2-Dichloroethene	0.408	0.400	--	1.62	1.59	--		2
1,1,1-Trichloroethane	116	0.400	--	633	2.18	--		2
Benzene	0.680	0.400	--	2.17	1.28	--		2
Carbon tetrachloride	1.89	0.400	--	11.9	2.52	--		2
Trichloroethene	146	0.400	--	785	2.15	--		2
Toluene	5.60	0.400	--	21.1	1.51	--		2
Tetrachloroethene	0.450	0.400	--	3.05	2.71	--		2
Ethylbenzene	11.4	0.400	--	49.5	1.74	--		2
p/m-Xylene	15.5	0.800	--	67.3	3.47	--		2
o-Xylene	57.8	0.400	--	251	1.74	--		2
Xylenes, Total	73.3	0.400	--	318	1.74	--		2

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	78		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	74		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-48
Client ID: TR5-IA-4
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:43
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 23:08
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.210	0.020	--	0.833	0.079	--		1
1,1-Dichloroethane	0.026	0.020	--	0.105	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.222	0.020	--	1.21	0.109	--		1
Benzene	3.48	0.100	--	11.1	0.319	--		1
Carbon tetrachloride	0.070	0.020	--	0.440	0.126	--		1
Trichloroethene	0.135	0.020	--	0.726	0.107	--		1
Toluene	10.3	0.100	--	38.8	0.377	--		1
Tetrachloroethene	0.091	0.020	--	0.617	0.136	--		1
Ethylbenzene	2.38	0.020	--	10.3	0.087	--		1
p/m-Xylene	9.18	0.040	--	39.9	0.174	--		1
o-Xylene	3.47	0.020	--	15.1	0.087	--		1
Xylenes, Total	12.6	0.020	--	54.7	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-49
Client ID: TR5-SSV-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 17:38
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/29/24 03:29
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.535	0.200	--	2.12	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	1.45	0.200	--	7.91	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	2.90	0.200	--	15.6	1.07	--		1
Toluene	0.309	0.200	--	1.16	0.754	--		1
Tetrachloroethene	10.3	0.200	--	69.8	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	84		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-50
Client ID: TR5-IA-5
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 17:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/29/24 00:23
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	1.06	0.020	--	4.20	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.139	0.100	--	0.444	0.319	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.041	0.020	--	0.220	0.107	--		1
Toluene	0.635	0.100	--	2.39	0.377	--		1
Tetrachloroethene	0.074	0.020	--	0.502	0.136	--		1
Ethylbenzene	0.071	0.020	--	0.308	0.087	--		1
p/m-Xylene	0.264	0.040	--	1.15	0.174	--		1
o-Xylene	0.083	0.020	--	0.361	0.087	--		1
Xylenes, Total	0.347	0.020	--	1.51	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-51
Client ID: TR5-OA-20241213
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:52
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 18:08
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.128	0.100	--	0.409	0.319	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	0.042	0.040	--	0.182	0.174	--		1
o-Xylene	0.020	0.020	--	0.087	0.087	--		1
Xylenes, Total	0.062	0.020	--	0.269	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-52
Client ID: FD-SSV-20241213
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 15:15
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/29/24 04:08
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Air Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	0.953	0.200	--	5.20	1.09	--		1
Benzene	0.301	0.200	--	0.962	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	19.1	0.200	--	103	1.07	--		1
Toluene	9.63	0.200	--	36.3	0.754	--		1
Tetrachloroethene	0.468	0.200	--	3.17	1.36	--		1
Ethylbenzene	14.3	0.200	--	62.1	0.869	--		1
p/m-Xylene	49.7	0.400	--	216	1.74	--		1
o-Xylene	29.3	0.200	--	127	0.869	--		1
Xylenes, Total	79.0	0.200	--	343	0.869	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	132		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

SAMPLE RESULTS

Lab ID: L2473696-53
Client ID: FD-IA-20241213
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/13/24 13:03
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/29/24 01:01
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Air Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.021	0.020	--	0.115	0.109	--		1
Benzene	0.215	0.100	--	0.687	0.319	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.029	0.020	--	0.156	0.107	--		1
Toluene	0.451	0.100	--	1.70	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.092	0.020	--	0.400	0.087	--		1
p/m-Xylene	0.328	0.040	--	1.42	0.174	--		1
o-Xylene	0.141	0.020	--	0.612	0.087	--		1
Xylenes, Total	0.469	0.020	--	2.04	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/17/24 20:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,04,06,08,10,12-13,15,17,19-20,22,24,26 Batch:								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/19/24 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03,05,07,09,11,14,16,18,21 Batch: WG2011514-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/20/24 15:14

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 28,30,32,34,36-37,39-40 Batch: WG2011985-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/26/24 15:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 23,25,29,31,33,35,38,41 Batch: WG2013816-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/27/24 17:56

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab for sample(s): 27 Batch: WG2014249-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 17:31

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 42,44,46,48,50-51,53 Batch: WG2014432-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
Report Date: 01/06/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/28/24 16:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Air Lab for sample(s): 43,45,47,49,52 Batch: WG2014433-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
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): 02,04,06,08,10,12-13,15,17,19-20,22,24,26 Batch: WG2010415-3								
Vinyl chloride	83		-		70-130	-		25
1,1-Dichloroethene	78		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
trans-1,2-Dichloroethene	73		-		70-130	-		25
1,1-Dichloroethane	70		-		70-130	-		25
cis-1,2-Dichloroethene	74		-		70-130	-		25
1,1,1-Trichloroethane	94		-		70-130	-		25
Benzene	99		-		70-130	-		25
Carbon tetrachloride	104		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
Toluene	81		-		70-130	-		25
Tetrachloroethene	81		-		70-130	-		25
Ethylbenzene	81		-		70-130	-		25
p/m-Xylene	83		-		70-130	-		25
o-Xylene	84		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03,05,07,09,11,14,16,18,21 Batch: WG2011514-3								
Vinyl chloride	83		-		70-130	-		
1,1-Dichloroethene	97		-		70-130	-		
Methylene chloride	107		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
1,1,1-Trichloroethane	82		-		70-130	-		
Benzene	108		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Trichloroethene	101		-		70-130	-		
Toluene	98		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
o-Xylene	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
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): 28,30,32,34,36-37,39-40 Batch: WG2011985-3								
Vinyl chloride	92		-		70-130	-		25
1,1-Dichloroethene	87		-		70-130	-		25
Methylene chloride	104		-		70-130	-		25
trans-1,2-Dichloroethene	81		-		70-130	-		25
1,1-Dichloroethane	84		-		70-130	-		25
cis-1,2-Dichloroethene	83		-		70-130	-		25
1,1,1-Trichloroethane	105		-		70-130	-		25
Benzene	101		-		70-130	-		25
Carbon tetrachloride	115		-		70-130	-		25
Trichloroethene	99		-		70-130	-		25
Toluene	90		-		70-130	-		25
Tetrachloroethene	83		-		70-130	-		25
Ethylbenzene	89		-		70-130	-		25
p/m-Xylene	91		-		70-130	-		25
o-Xylene	92		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 23,25,29,31,33,35,38,41		Batch: WG2013816-3					
Vinyl chloride	121		-		70-130	-		
1,1-Dichloroethene	117		-		70-130	-		
Methylene chloride	112		-		70-130	-		
trans-1,2-Dichloroethene	111		-		70-130	-		
1,1-Dichloroethane	110		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Trichloroethene	100		-		70-130	-		
Toluene	105		-		70-130	-		
Tetrachloroethene	121		-		70-130	-		
Ethylbenzene	109		-		70-130	-		
p/m-Xylene	116		-		70-130	-		
o-Xylene	113		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 27 Batch: WG2014249-3								
Vinyl chloride	95		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
Methylene chloride	106		-		70-130	-		
trans-1,2-Dichloroethene	111		-		70-130	-		
1,1-Dichloroethane	111		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
1,1,1-Trichloroethane	96		-		70-130	-		
Benzene	101		-		70-130	-		
Carbon tetrachloride	94		-		70-130	-		
Trichloroethene	100		-		70-130	-		
Toluene	104		-		70-130	-		
Tetrachloroethene	110		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
o-Xylene	114		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
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 Air Lab Associated sample(s): 42,44,46,48,50-51,53 Batch: WG2014432-3								
Vinyl chloride	96		-		70-130	-		25
1,1-Dichloroethene	114		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
trans-1,2-Dichloroethene	111		-		70-130	-		25
1,1-Dichloroethane	109		-		70-130	-		25
cis-1,2-Dichloroethene	113		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	89		-		70-130	-		25
Carbon tetrachloride	100		-		70-130	-		25
Trichloroethene	90		-		70-130	-		25
Toluene	91		-		70-130	-		25
Tetrachloroethene	86		-		70-130	-		25
Ethylbenzene	87		-		70-130	-		25
p/m-Xylene	89		-		70-130	-		25
o-Xylene	90		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab	Associated sample(s): 43,45,47,49,52		Batch: WG2014433-3					
Vinyl chloride	104		-		70-130	-		
1,1-Dichloroethene	129		-		70-130	-		
Methylene chloride	102		-		70-130	-		
trans-1,2-Dichloroethene	127		-		70-130	-		
1,1-Dichloroethane	124		-		70-130	-		
cis-1,2-Dichloroethene	127		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	107		-		70-130	-		
Trichloroethene	100		-		70-130	-		
Toluene	100		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
o-Xylene	104		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Air Lab Associated sample(s): 23,25,29,31,33,35,38,41 QC Batch ID: WG2013816-5 QC Sample: L2473696-33 Client ID: TR5A-SSV-1						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.212	0.205	ppbV	3		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
Toluene	1.82	1.82	ppbV	0		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Ethylbenzene	10.4	10.6	ppbV	2		25
p/m-Xylene	23.6	24.2	ppbV	3		25
o-Xylene	4.08	4.21	ppbV	3		25
Xylenes, Total	27.7	28.4	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 42,44,46,48,50-51,53 QC Batch ID: WG2014432-5 QC Sample: L2473696-48 Client ID: TR5-IA-4						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	0.210	0.201	ppbV	4		25
1,1-Dichloroethane	0.026	0.029	ppbV	11		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.222	0.219	ppbV	1		25
Benzene	3.48	3.46	ppbV	1		25
Carbon tetrachloride	0.070	0.072	ppbV	3		25
Trichloroethene	0.135	0.129	ppbV	5		25
Toluene	10.3	10.4	ppbV	1		25
Tetrachloroethene	0.091	0.091	ppbV	0		25
Ethylbenzene	2.38	2.40	ppbV	1		25
p/m-Xylene	9.18	9.30	ppbV	1		25
o-Xylene	3.47	3.53	ppbV	2		25
Xylenes, Total	12.6	12.8	ppbV	2		25

Project Name: CARRIER-SYRACUSE

Lab Number: L2473696

Project Number: 0201049-008

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-01	TR7-SSV-1	01892	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.0	11
L2473696-01	TR7-SSV-1	3105	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-6.5	-	-	-	-
L2473696-02	TR7-IA-1	01732	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473696-02	TR7-IA-1	556	2.7L Can	12/02/24	490043	L2469414-04	Pass	-29.3	-7.3	-	-	-	-
L2473696-03	TR7-SSV-4	01930	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.2	14
L2473696-03	TR7-SSV-4	3201	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-6.1	-	-	-	-
L2473696-04	TR7-IA-4	01310	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473696-04	TR7-IA-4	2239	2.7L Can	12/02/24	490043	L2469414-23	Pass	-29.2	-5.9	-	-	-	-
L2473696-05	TR7-SSV-3	02245	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.0	11
L2473696-05	TR7-SSV-3	2346	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-7.0	-	-	-	-
L2473696-06	TR7-IA-3	01176	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	4.9	9
L2473696-06	TR7-IA-3	2609	2.7L Can	12/02/24	490043	L2469414-22	Pass	-29.2	-7.2	-	-	-	-
L2473696-07	TR7-SSV-5	01640	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	4.8	6
L2473696-07	TR7-SSV-5	2027	2.7L Can	11/26/24	490040	L2469362-05	Pass	-29.4	-7.2	-	-	-	-
L2473696-08	TR7-IA-5	0188	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	4.9	9

Project Name: CARRIER-SYRACUSE

Project Number: 0201049-008

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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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-08	TR7-IA-5	3456	2.7L Can	12/02/24	490043	L2469414-06	Pass	-29.1	-6.5	-	-	-	-
L2473696-09	TR7-SSV-6	0169	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473696-09	TR7-SSV-6	2762	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-7.3	-	-	-	-
L2473696-10	TR7-IA-6	02200	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.3	16
L2473696-10	TR7-IA-6	503	2.7L Can	12/02/24	490043	L2469414-07	Pass	-29.1	-5.5	-	-	-	-
L2473696-11	TR7-SSV-2	0334	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473696-11	TR7-SSV-2	340	2.7L Can	11/26/24	490040	L2469362-05	Pass	-29.4	-6.0	-	-	-	-
L2473696-12	TR7-IA-2	02271	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.4	18
L2473696-12	TR7-IA-2	3736	2.7L Can	12/02/24	490043	L2469414-15	Pass	-29.2	-5.5	-	-	-	-
L2473696-13	TR7-OA-20241210	01020	Flow 4	12/02/24	490043		-	-	-	Pass	4.5	5.0	11
L2473696-13	TR7-OA-20241210	360	2.7L Can	12/02/24	490043	L2469414-02	Pass	-29.2	-4.8	-	-	-	-
L2473696-14	TR6A-SSV-1	01056	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.3	16
L2473696-14	TR6A-SSV-1	4386	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-7.4	-	-	-	-
L2473696-15	TR6A-IA-1	01118	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.2	14
L2473696-15	TR6A-IA-1	3725	2.7L Can	12/02/24	490043	L2469414-08	Pass	-29.1	-5.5	-	-	-	-

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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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-16	TR12-SSV-1	01183	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	4.4	2
L2473696-16	TR12-SSV-1	4365	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.3	-13.5	-	-	-	-
L2473696-17	TR12-IA-1	02055	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.2	14
L2473696-17	TR12-IA-1	3212	2.7L Can	12/02/24	490043	L2469414-14	Pass	-29.0	-7.7	-	-	-	-
L2473696-18	FD-SSV-20241210	01515	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.2	14
L2473696-18	FD-SSV-20241210	1732	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-5.1	-	-	-	-
L2473696-19	FD-IA-2024-1210	02088	Flow 4	11/26/24	490040		-	-	-	Pass	4.5	5.0	11
L2473696-19	FD-IA-2024-1210	2035	2.7L Can	11/26/24	490040	L2468466-13	Pass	-29.4	-9.3	-	-	-	-
L2473696-20	TR4-OA-20241211	01470	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.4	18
L2473696-20	TR4-OA-20241211	157	2.7L Can	11/26/24	490040	L2468466-15	Pass	-29.4	-3.1	-	-	-	-
L2473696-21	TR4-SSV-1	01210	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.1	13
L2473696-21	TR4-SSV-1	4384	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.2	-6.6	-	-	-	-
L2473696-22	TR4-IA-1	0145	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.0	11
L2473696-22	TR4-IA-1	1719	2.7L Can	11/26/24	490040	L2468466-09	Pass	-29.4	-3.9	-	-	-	-
L2473696-23	TR4-SSV-3	02655	Flow 4	12/11/24	497762		-	-	-	Pass	4.5	5.5	20

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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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-23	TR4-SSV-3	2600	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.3	-7.0	-	-	-	-
L2473696-24	TR4-IA-3	02212	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.2	14
L2473696-24	TR4-IA-3	3888	2.7L Can	12/02/24	490043	L2469414-13	Pass	-29.0	-6.0	-	-	-	-
L2473696-25	TR4-SSV-4	02231	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	6.0	29
L2473696-25	TR4-SSV-4	148	2.7L Can	12/11/24	497762	L2471464-07	Pass	-29.5	-7.4	-	-	-	-
L2473696-26	TR4-IA-4	0679	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.2	14
L2473696-26	TR4-IA-4	2999	2.7L Can	12/02/24	490043	L2469414-12	Pass	-29.1	-6.2	-	-	-	-
L2473696-27	TR19-SSV-7	02255	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.1	13
L2473696-27	TR19-SSV-7	3116	2.7L Can	12/02/24	490043	L2468476-02	Pass	-29.1	-7.1	-	-	-	-
L2473696-28	TR19-IA-7	02047	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.0	11
L2473696-28	TR19-IA-7	2236	2.7L Can	11/26/24	490040	L2468466-23	Pass	-29.4	-5.9	-	-	-	-
L2473696-29	TR19-SSV-4	02143	Flow 3	12/09/24	497765		-	-	-	Pass	4.5	5.3	16
L2473696-29	TR19-SSV-4	3730	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.5	-8.5	-	-	-	-
L2473696-30	TR19-IA-4	01134	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.1	13
L2473696-30	TR19-IA-4	2203	2.7L Can	11/26/24	490040	L2468466-25	Pass	-29.1	-5.9	-	-	-	-

Project Name: CARRIER-SYRACUSE

Lab Number: L2473696

Project Number: 0201049-008

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-31	TR19-SSV-5	02077	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.1	13
L2473696-31	TR19-SSV-5	396	2.7L Can	12/11/24	497762	L2471464-07	Pass	-29.5	-5.6	-	-	-	-
L2473696-32	TR19-IA-5	01424	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.2	14
L2473696-32	TR19-IA-5	3240	2.7L Can	11/26/24	490040	L2468466-24	Pass	-29.1	-6.6	-	-	-	-
L2473696-33	TR5A-SSV-1	01167	Flow 3	12/09/24	497765		-	-	-	Pass	4.5	4.9	9
L2473696-33	TR5A-SSV-1	2589	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-5.9	-	-	-	-
L2473696-34	TR5A-IA-1	01408	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	3.3	31
L2473696-34	TR5A-IA-1	3898	2.7L Can	11/26/24	490040	L2468466-19	Pass	-28.9	-8.1	-	-	-	-
L2473696-35	TR5A-SSV-2	01727	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.1	13
L2473696-35	TR5A-SSV-2	3754	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.4	-6.7	-	-	-	-
L2473696-36	TR5A-IA-2	02697	Flow 4	12/11/24	497762		-	-	-	Pass	4.5	5.9	27
L2473696-36	TR5A-IA-2	2313	2.7L Can	11/26/24	490040	L2468466-12	Pass	-29.4	-4.8	-	-	-	-
L2473696-37	TR19-OA-20241212	02188	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.1	13
L2473696-37	TR19-OA-20241212	4400	2.7L Can	12/02/24	490043	L2469414-11	Pass	-28.9	0.0	-	-	-	-
L2473696-38	FD-SSV-20241212	01490	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.0	11

Project Name: CARRIER-SYRACUSE

Project Number: 0201049-008

Lab Number: L2473696

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-38	FD-SSV-20241212	3442	2.7L Can	11/26/24	490040	L2469362-07	Pass	-29.3	-5.5	-	-	-	-
L2473696-39	FD-IA-01-20241212	01643	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	4.8	6
L2473696-39	FD-IA-01-20241212	3190	2.7L Can	11/26/24	490040	L2468466-11	Pass	-29.3	-9.0	-	-	-	-
L2473696-40	FD-IA-02-20241212	0158	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	4.4	2
L2473696-40	FD-IA-02-20241212	3239	2.7L Can	12/02/24	490043	L2469414-19	Pass	-29.1	-3.8	-	-	-	-
L2473696-41	TR5-SSV-1	01378	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.1	13
L2473696-41	TR5-SSV-1	222	2.7L Can	12/02/24	490043	L2468476-02	Pass	-29.1	-5.6	-	-	-	-
L2473696-42	TR5-IA-1	0616	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.1	13
L2473696-42	TR5-IA-1	546	2.7L Can	12/02/24	490043	L2469414-16	Pass	-29.7	-4.8	-	-	-	-
L2473696-43	TR5-SSV-2	01111	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.0	11
L2473696-43	TR5-SSV-2	3096	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.2	-7.1	-	-	-	-
L2473696-44	TR5-IA-2	01427	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.6	22
L2473696-44	TR5-IA-2	2072	2.7L Can	11/26/24	490040	L2468466-04	Pass	-29.4	-4.6	-	-	-	-
L2473696-45	TR5-SSV-3	01889	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.2	14
L2473696-45	TR5-SSV-3	3428	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.4	-7.7	-	-	-	-

Project Name: CARRIER-SYRACUSE

Project Number: 0201049-008

Lab Number: L2473696

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-46	TR5-IA-3	0435	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.3	16
L2473696-46	TR5-IA-3	2858	2.7L Can	11/26/24	490040	L2468466-05	Pass	-29.4	-4.9	-	-	-	-
L2473696-47	TR5-SSV-4	01356	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.0	11
L2473696-47	TR5-SSV-4	3932	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.2	-7.2	-	-	-	-
L2473696-48	TR5-IA-4	0139	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473696-48	TR5-IA-4	261	2.7L Can	12/02/24	490043	L2469414-05	Pass	-28.7	-5.6	-	-	-	-
L2473696-49	TR5-SSV-5	0132	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.1	13
L2473696-49	TR5-SSV-5	194	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.3	-7.1	-	-	-	-
L2473696-50	TR5-IA-5	0072	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	5.0	11
L2473696-50	TR5-IA-5	147B	2.7L Can	11/26/24	490040	L2468466-02	Pass	-29.3	-7.1	-	-	-	-
L2473696-51	TR5-OA-20241213	0847	Flow 5	11/26/24	490040		-	-	-	Pass	4.5	4.9	9
L2473696-51	TR5-OA-20241213	3217	2.7L Can	11/26/24	490040	L2468466-03	Pass	-29.3	-4.5	-	-	-	-
L2473696-52	FD-SSV-20241213	0427	Flow 5	12/09/24	497765		-	-	-	Pass	4.5	5.1	13
L2473696-52	FD-SSV-20241213	3404	2.7L Can	12/02/24	490043	L2469367-07	Pass	-29.2	-6.5	-	-	-	-
L2473696-53	FD-IA-20241213	01186	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.0	11

Project Name: CARRIER-SYRACUSE

Lab Number: L2473696

Project Number: 0201049-008

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473696-53	FD-IA-20241213	2303	2.7L Can	11/26/24	490040	L2468466-06	Pass	-29.3	-3.8	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-02
Client ID: CAN 147B FC 0616
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 01:08
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2468466

Project Number: CANISTER QC INDIV **Report Date:** 01/06/25

Air Canister Certification Results

Lab ID: L2468466-02
Client ID: CAN 147B FC 0616
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-02
Client ID: CAN 147B FC 0616
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 01:08
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-03
Client ID: CAN 3217 FC 02245
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 01:47
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-03
Client ID: CAN 3217 FC 02245
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Nitrogen	1.3	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-03
Client ID: CAN 3217 FC 02245
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 01:47
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-04
Client ID: CAN 2072 FC 01427
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 02:25
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-04
Client ID: CAN 2072 FC 01427
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.4	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-04
Client ID: CAN 2072 FC 01427
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 02:25
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-05
Client ID: CAN 2858 FC 01103
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 03:04
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-05
Client ID: CAN 2858 FC 01103
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-05
Client ID: CAN 2858 FC 01103
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 03:04
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-06
Client ID: CAN 2303 FC 01640
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 03:43
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-06
Client ID: CAN 2303 FC 01640
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Hydrazine	3.9	NJ	ppbV		1
Borane carbonyl	1.2	NJ	ppbV		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-06
Client ID: CAN 2303 FC 01640
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 03:43
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-09
Client ID: CAN 1719 FC 01792
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 05:01
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-09
Client ID: CAN 1719 FC 01792
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.1	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	85		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-09
Client ID: CAN 1719 FC 01792
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 05:01
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-11
Client ID: CAN 3190 FC 01643
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 23:45
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-11
Client ID: CAN 3190 FC 01643
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.3	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-11
Client ID: CAN 3190 FC 01643
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 23:45
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-12
Client ID: CAN 2313 FC 0158
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 00:24
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-12
Client ID: CAN 2313 FC 0158
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.4	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-12
Client ID: CAN 2313 FC 0158
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 00:24
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-13
Client ID: CAN 2035 FC 02088
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 01:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2468466

Project Number: CANISTER QC INDIV **Report Date:** 01/06/25

Air Canister Certification Results

Lab ID: L2468466-13
Client ID: CAN 2035 FC 02088
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-13
Client ID: CAN 2035 FC 02088
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 01:03
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-15
Client ID: CAN 157 FC 02188
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 01:42
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-15
Client ID: CAN 157 FC 02188
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.2	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-15
Client ID: CAN 157 FC 02188
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 01:42
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	90		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-19
Client ID: CAN 3898 FC 01408
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 04:56
Analyst: JFI

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-19
Client ID: CAN 3898 FC 01408
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	11	NJ	ppbV		1
Unknown	1.4	J	ppbV		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-19
Client ID: CAN 3898 FC 01408
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 04:56
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-23
Client ID: CAN 2236 FC 02047
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 21:12
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-23
Client ID: CAN 2236 FC 02047
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Methyl Alcohol	15	NJ	ppbV		1
Unknown	1.3	J	ppbV		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-23
Client ID: CAN 2236 FC 02047
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 21:12
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-24
Client ID: CAN 3240 FC 01424
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 21:50
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-24
Client ID: CAN 3240 FC 01424
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.3	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-24
Client ID: CAN 3240 FC 01424
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 21:50
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	91		60-140

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-25
Client ID: CAN 2203 FC 01134
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/23/24 22:29
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-25
Client ID: CAN 2203 FC 01134
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.2	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468466-25
Client ID: CAN 2203 FC 01134
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/23/24 22:29
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/21/24 18:01
Analyst: JFI

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

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

Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/21/24 18:01
Analyst: JFI

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

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

Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2468476
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2468476-02
Client ID: CAN 193 SHELF 21
Sample Location:

Date Collected: 11/20/24 15:00
Date Received: 11/21/24
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/24/24 01:43
Analyst: KJD

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/24/24 01:43
Analyst: KJD

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-05
Client ID: CAN 475 SHELF 1
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/24/24 03:01
Analyst: KJD

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.3	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/24/24 03:01
Analyst: KJD

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2469362
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469362-07
Client ID: CAN 144 SHELF 3
Sample Location:

Date Collected: 11/23/24 07:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/24/24 20:09
Analyst: JFI

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/24/24 20:09
Analyst: JFI

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2469367
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469367-07
Client ID: CAN 557 SHELF 4
Sample Location:

Date Collected: 11/23/24 14:00
Date Received: 11/23/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-02
Client ID: CAN 360 FC 02271
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/24 22:38
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-02
Client ID: CAN 360 FC 02271
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Nitrogen	1.3	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-02
Client ID: CAN 360 FC 02271
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/24 22:38
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-04
Client ID: CAN 566 FC 01310
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/24 23:56
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-04
Client ID: CAN 566 FC 01310
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.0	NJ	ppbV		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-04
Client ID: CAN 566 FC 01310
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/24 23:56
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-05
Client ID: CAN 261 FC 0139
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 00:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-05
Client ID: CAN 261 FC 0139
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.2	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-05
Client ID: CAN 261 FC 0139
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 00:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	91		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-06
Client ID: CAN 3456 FC 0188
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 20:31
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2469414

Project Number: CANISTER QC INDIV **Report Date:** 01/06/25

Air Canister Certification Results

Lab ID: L2469414-06
Client ID: CAN 3456 FC 0188
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-06
Client ID: CAN 3456 FC 0188
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 20:31
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-07
Client ID: CAN 503 FC 02055
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 21:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-07
Client ID: CAN 503 FC 02055
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-07
Client ID: CAN 503 FC 02055
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 21:10
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-08
Client ID: CAN 3725 FC 02200
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 21:49
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-08
Client ID: CAN 3725 FC 02200
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-08
Client ID: CAN 3725 FC 02200
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 21:49
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-11
Client ID: CAN 4400 FC 01056
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 23:07
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-11
Client ID: CAN 4400 FC 01056
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-11
Client ID: CAN 4400 FC 01056
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 23:07
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-12
Client ID: CAN 2999 FC 0334
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/26/24 23:46
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-12
Client ID: CAN 2999 FC 0334
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-12
Client ID: CAN 2999 FC 0334
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/26/24 23:46
Analyst: JFI

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-13
Client ID: CAN 3888 FC 01930
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 00:25
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-13
Client ID: CAN 3888 FC 01930
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-13
Client ID: CAN 3888 FC 01930
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 00:25
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-14
Client ID: CAN 3212 FC 01020
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 01:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2469414

Project Number: CANISTER QC INDIV **Report Date:** 01/06/25

Air Canister Certification Results

Lab ID: L2469414-14
Client ID: CAN 3212 FC 01020
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-14
Client ID: CAN 3212 FC 01020
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 01:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-15
Client ID: CAN 3736 FC 01118
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 01:42
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-15
Client ID: CAN 3736 FC 01118
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-15
Client ID: CAN 3736 FC 01118
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 01:42
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	91		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-16
Client ID: CAN 546 FC 02066
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 02:21
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-16
Client ID: CAN 546 FC 02066
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.0	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-16
Client ID: CAN 546 FC 02066
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 02:21
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-19
Client ID: CAN 3239 FC 0169
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 03:39
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-19
Client ID: CAN 3239 FC 0169
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-19
Client ID: CAN 3239 FC 0169
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 03:39
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-22
Client ID: CAN 2609 FC 01176
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 05:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-22
Client ID: CAN 2609 FC 01176
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-22
Client ID: CAN 2609 FC 01176
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 05:35
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140

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

Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-23
Client ID: CAN 2239 FC 01732
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 08:06
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-23
Client ID: CAN 2239 FC 01732
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.3	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2469414-23
Client ID: CAN 2239 FC 01732
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 08:06
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/06/24 23:15
Analyst: KJD

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.2	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/06/24 23:15
Analyst: KJD

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2471464
Report Date: 01/06/25

Air Canister Certification Results

Lab ID: L2471464-07
Client ID: CAN 1747 SHELF 14
Sample Location:

Date Collected: 12/06/24 12:00
Date Received: 12/06/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
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(*)
L2473696-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-08A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-09A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-10A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-11A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-12A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-13A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-14A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-15A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-16A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-17A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-18A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-19A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-20A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-21A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-22A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-23A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473696-24A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-25A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-26A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-27A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-28A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-29A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-30A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-31A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-32A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-33A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-34A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-35A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-36A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-37A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-38A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-39A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-40A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-41A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-42A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-43A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-44A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-45A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-46A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-47A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-48A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-49A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-50A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473696-51A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473696
Report Date: 01/06/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473696-52A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2473696-53A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473696
Project Number:	0201049-008	**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: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473696
Project Number:	0201049-008	**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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473696
Project Number:	0201049-008	**Report Date:**	01/06/25

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473696
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.

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.

Serial_No:01062517:59

AIR ANALYSIS

Date Rec'd in Lab: 12/14/24

ALPHA Job #: L2473696

ALPHA CHAIN OF CUSTODY

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

Client Information

Client: HA Client - Courier
Address: 260 E. Main St., Ste 2100
Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: jkingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Courier - Syracuse
Project Location: Thompson Road, Syracuse, NY
Project #: 0201049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
73696-01	TR7-SSV-1	12/10/24	0931	1731	29.8	5.80	SV	JMS	2.7	3105	1892	X					
02	TR7-IA-1		0932	1732	29.5	6.60	IA			556	1732		X				
03	TR7-SSV-4		0935	1735	29.7	4.76	SV			3021	1930	X					
04	TR7-IA-4		0936	1736	28.2	5.15	IA			2239	1310		X				
05	TR7-SSV-3		0937	1737	29.6	5.60	SV			2346	2245	X					
06	TR7-IA-3		0938	1738	29.4	6.31	IA			2609	1176		X				
07	TR7-SSV-5		0940	1740	29.9	6.00	SV			2027	1640	X					
08	TR7-IA-5		0941	1741	29.4	5.87	IA			3486	188		X				
09	TR7-SSV-6		0940	1740	29.80	5.93	SV			2762	169	X					
10	TR7-IA-6		0948	1740	29.32	4.62	IA			503	2200		X				

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time
	12/13/24 18:00		12/14/24 1700
	12/15 17K		12/15 0730
	12/14 0838		
	12/11/24 0600		12/14/24 0600

Serial_No:01062517:59

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client- Cuarrier
Address: 260 E. Main St., Ste 200
Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: JKingston@Lakecableltd.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Cuarrier - Syracuse
Project Location: Thompson Rd, Syracuse NY
Project #: 0201049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

☐ FAX HA Equis Format
☐ ADEx ASP-B
Criteria Checker:
(Default based on Regulatory Criteria indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: X

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
11	TR7-SSV-2	12/10/24	0944	1744	29.6	4.54	SV	JMS	2.7	340	334	X						
12	TR7-IA-2		0945	1745	29.36	~~5.04~~ 4.97	IA			3736	2271		X					
13	TR7-OA-20241210		0958	1752	30.06	5.01	AA			360	1020		X					
14	TR6A-SSV-1		1008	1753	29.5	6.10	SV			4386	1056	X						
15	TR6A-IA-1		1009	1753	30.3	5.10	IA			3725	1118		X					
16	TR12-SSV-1		1039	1839	29.9	12.60	SV			4366	1183	X						
17	TR12-IA-1		1040	1840	29.72	6.91	IA			3212	2095		X					
18	FD-SSV-20241210		0931	1255	30.0	3.80	SV			1732	1515	X						
19	FD-IA-2024-1210		0932	1732	30.0	8.65	IA			2035	2080		X					
20	TR4-OA-20241211	12/11/24	0852	1652	29.3	3.80	AA			157	1470		X					

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time
	12/13/24 1800		12/13/24 1900
	12/13 1715		12/13 2300
	12/14 0235		
JNash	12/14/24 0630	[illegible]	12/14/24 0600

AIR ANALYSIS

PAGE 3 OF 6

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client- Carrier
Address: 260 E Main St, Ste 2100
Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: jKingstm@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Carrier-Syracuse
Project Location: Thompson Rd. Syracuse, NY
Project #: 0201044-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

☐ FAX HA Equis format
☐ ADEx -ASP-B
Criteria Checker:
(Default based on Regulatory Criteria indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	Can ID	Flow Controller ID	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfurs & Mercaptans by TO-15	Sample Comments (i.e. PID)
21	TR4-SSV-1	12/11/24	0921	1714	29.75	5.01	SV	JMS	2.7	#344	1210	X					
22	TR4-IA-1		0922	1702	29.10	2.59	IA			1719	0145		X				
23	TR4-SSV-3		0933	1700	28.55	4.93	SV			2600	2655	X					
24	TR4-IA-3		0934	1724	29.01	5.00	IA			3880	2212		X				
25	TR4-SSV-4		0942	1742	29.51	5.92	SV			148	2231	X					
26	TR4-IA-4		0943	1731	29.19	4.97	IA			2999	0675		X				
27	TR19-SSV-7	12/12/24	0742	1542	29.69	5.76	SV			3116	2256	X					
28	TR19-IA-7		0745	1545	29.13	5.00	IA			2336	2047		X				
29	TR19-SSV-4		0801	1550	29.48	7.31	SV			3730	2143	X					
30	TR19-IA-4		0800	1600	29.40	5.41	IA			2203	1134		X				

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		12/13 1700
	12/13 1715		12/13 2300
	12/14 0825		12/14 0825
JMSON	12/14/24 06:00	[illegible] ANA	12/14/24 0625

AIR ANALYSIS

PAGE 4 OF 6

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client- Carrier
Address: 260 E Main st, Ste 2100
Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: JKingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Carrier-Syracuse
Project Location: Thompson Rd, Syracuse, NY
Project #: 0201049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
31	TR19-SSV-5	12/12/24	0828	1628	29.74	5.00	SV	JMS	2.7	396	2077	X					
32	TR19-IA-5		0827	1627	29.47	6.45	IA			3240	1424		X				
33	TR5A-SSV-1		0846	1646	30.19	5.85	SV			2589	1167	X					
34	TR5A-IA-1		0845	1645	29.49	8.46	IA			3898	1408		X				
35	TR5A-SSV-2		0858	1658	29.90	6.12	SV			3594	1727	X					
36	TR5A-SSV-IA-2		0856	1636	29.84	5.82	IA			2313	2697		X				
37	TRIP-OA-20241212		0910	1700	29.54	1.20	AA			4400	2188		X				
38	FD-SSV-20241212		0801	1550	31.07	4.83	SV			3442	1490	X					
39	FD-IA-01-20241212		0800	1600	29.62	8.61	IA			3190	1643		X				
40	FD-IA-02-20241212		0845	1633	29.40	3.80	IA			3239	158		X				

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		12/13 1700
	12/14 0714		12/13 2300
JMS	12/14/24 0644		12/14/24 0653

AIR ANALYSIS

PAGE 5 OF 6

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client - Carrier
Address: 260 E Main St., Ste 2180 Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: JHingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Carrier Syracuse
Project Location: Thompson Rd, Syracuse, NY
Project #: 0201049-008
Project Manager: Charis Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: V6

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
41	TRS-SSV-1	12/13/24	0653	1453	29.75	5.10	SV	JMS	2.7	228	1378	X					
42	TRS-IA-1		0652	1446	30.06	4.76	IA			546	0616		X				
43	TRS-SSV-2		0715	1515	30.68	7.13	SV			3096	1111	X					
44	TRS-IA-2		0710	1428	30.46	4.77	IA			2072	1427		X				
45	TRS-SSV-3		0810	1550	30.38	7.07	SV			3428	1889	X					
46	TRS-IA-3		0729	1516	30.38	4.95	IA			2858	435		X				
47	TRS-SSV-4		0745	1545	30.37	7.20	SV			3932	1356	X					
48	TRS-IA-4		0743	1543	29.66	5.85	IA			261	139		X				
49	TRS-SSV-5		0757	1738	30.35	6.55	SV			194	132	X					
50	TRS-IA-5		0755	1740	30.35	6.96	IA			1478	072		X				

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		12/13/24 1900
	12/14 1715		12/13 2000
	12/14 0230		
JMS	12/14/24 0800		12/14/24 0630

Serial_No:01062517:59

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

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

Data Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client - Carrier
Address: 260 E. Main St, Ste 2100
Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: JKingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Carrier-Syracuse
Project Location: Thompson Rd, Syracuse, NY
Project #: 0201049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I.D. Can	I.D. Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
01	TRS-OA-20241213	12/13/24	0800	1952	30.67	6.73	AA	JMS	2.7	3917	0847	X					
02	FD-SSV-20241213	"	0715	1515	30.35	6.20	SV	"	"	3484	0427	X					
03	FD-IA-20241213	"	0710	1303	30.78	3.88	IA	"	"	2303	1186	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		12/13 2330
	12/14 0230		

JMS 12/14/24 0230 12/14/24 0630

0830 12/14/24 Chain of Custody Page

ANALYTICAL REPORT

Lab Number:	L2473709
Client:	Haley & Aldrich 260 E Main St Suite 2100 Rochester, NY 14604
ATTN:	Jennifer Kingston
Phone:	(913) 693-1905
Project Name:	CARRIER-SYRACUSE
Project Number:	0201049-008
Report Date:	01/24/25

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: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473709
Report Date: 01/24/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2473709-01	TR8-IA-08	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:40	12/13/24
L2473709-02	TR8-IA-09	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:27	12/13/24
L2473709-03	TR8-IA-10	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:17	12/13/24
L2473709-04	TR8-IA-11	AIR	THOMPSON RD, SYRACUSE, NY	12/11/24 16:45	12/13/24

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473709
Project Number:	0201049-008	**Report Date:**	01/24/25

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:	CARRIER-SYRACUSE	**Lab Number:**	L2473709
Project Number:	0201049-008	**Report Date:**	01/24/25

Case Narrative (continued)

Report Revision

January 24, 2025: The report has been amended to update the sample IDs. A revised CoC has been included in the report.

Volatile Organics in Air

Canisters were released from the laboratory on December 2, 2024. The canister certification data is provided as an addendum.

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:  Jennifer Jerome

Title: Technical Director/Representative Date: 01/24/25

AIR

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473709
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473709-01
Client ID: TR8-IA-08
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:40
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 18:46
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.029	0.020	--	0.074	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	0.036	0.020	--	0.146	0.081	--		1
cis-1,2-Dichloroethene	0.053	0.020	--	0.210	0.079	--		1
1,1,1-Trichloroethane	0.054	0.020	--	0.295	0.109	--		1
Benzene	1.02	0.100	--	3.26	0.319	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	0.138	0.020	--	0.742	0.107	--		1
Toluene	1.87	0.100	--	7.05	0.377	--		1
Tetrachloroethene	0.027	0.020	--	0.183	0.136	--		1
Ethylbenzene	0.296	0.020	--	1.29	0.087	--		1
p/m-Xylene	1.28	0.040	--	5.56	0.174	--		1
o-Xylene	0.517	0.020	--	2.25	0.087	--		1
Xylenes, Total	1.79	0.020	--	7.77	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473709
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473709-02
Client ID: TR8-IA-09
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:27
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 19:23
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	0.038	0.020	--	0.154	0.081	--		1
cis-1,2-Dichloroethene	0.044	0.020	--	0.174	0.079	--		1
1,1,1-Trichloroethane	0.060	0.020	--	0.327	0.109	--		1
Benzene	0.640	0.100	--	2.04	0.319	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.148	0.020	--	0.795	0.107	--		1
Toluene	1.35	0.100	--	5.09	0.377	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1
Ethylbenzene	0.273	0.020	--	1.19	0.087	--		1
p/m-Xylene	1.13	0.040	--	4.91	0.174	--		1
o-Xylene	0.437	0.020	--	1.90	0.087	--		1
Xylenes, Total	1.56	0.020	--	6.78	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473709
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473709-03
Client ID: TR8-IA-10
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:17
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 20:01
Analyst: TPH

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	0.043	0.020	--	0.174	0.081	--		1
cis-1,2-Dichloroethene	0.047	0.020	--	0.186	0.079	--		1
1,1,1-Trichloroethane	0.074	0.020	--	0.404	0.109	--		1
Benzene	0.470	0.100	--	1.50	0.319	--		1
Carbon tetrachloride	0.078	0.020	--	0.491	0.126	--		1
Trichloroethene	0.147	0.020	--	0.790	0.107	--		1
Toluene	1.07	0.100	--	4.03	0.377	--		1
Tetrachloroethene	0.028	0.020	--	0.190	0.136	--		1
Ethylbenzene	0.252	0.020	--	1.09	0.087	--		1
p/m-Xylene	1.04	0.040	--	4.52	0.174	--		1
o-Xylene	0.404	0.020	--	1.75	0.087	--		1
Xylenes, Total	1.45	0.020	--	6.30	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473709
Report Date: 01/24/25

SAMPLE RESULTS

Lab ID: L2473709-04
Client ID: TR8-IA-11
Sample Location: THOMPSON RD, SYRACUSE, NY

Date Collected: 12/11/24 16:45
Date Received: 12/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 20:38
Analyst: TPH

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.027	0.020	--	0.069	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	0.025	0.020	--	0.099	0.079	--		1
1,1-Dichloroethane	0.037	0.020	--	0.150	0.081	--		1
cis-1,2-Dichloroethene	0.048	0.020	--	0.190	0.079	--		1
1,1,1-Trichloroethane	0.056	0.020	--	0.306	0.109	--		1
Benzene	1.03	0.100	--	3.29	0.319	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	0.150	0.020	--	0.806	0.107	--		1
Toluene	2.21	0.100	--	8.33	0.377	--		1
Tetrachloroethene	0.029	0.020	--	0.197	0.136	--		1
Ethylbenzene	0.291	0.020	--	1.26	0.087	--		1
p/m-Xylene	1.15	0.040	--	5.00	0.174	--		1
o-Xylene	0.435	0.020	--	1.89	0.087	--		1
Xylenes, Total	1.58	0.020	--	6.86	0.087	--		1

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

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008
Lab Number: L2473709
Report Date: 01/24/25

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 12/28/24 17:31

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Air Lab for sample(s): 01-04 Batch: WG2014432-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473709
Report Date: 01/24/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Air Lab Associated sample(s): 01-04 Batch: WG2014432-3								
Vinyl chloride	96		-		70-130	-		25
1,1-Dichloroethene	114		-		70-130	-		25
Methylene chloride	100		-		70-130	-		25
trans-1,2-Dichloroethene	111		-		70-130	-		25
1,1-Dichloroethane	109		-		70-130	-		25
cis-1,2-Dichloroethene	113		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	89		-		70-130	-		25
Carbon tetrachloride	100		-		70-130	-		25
Trichloroethene	90		-		70-130	-		25
Toluene	91		-		70-130	-		25
Tetrachloroethene	86		-		70-130	-		25
Ethylbenzene	87		-		70-130	-		25
p/m-Xylene	89		-		70-130	-		25
o-Xylene	90		-		70-130	-		25

Project Name: CARRIER-SYRACUSE

Lab Number: L2473709

Project Number: 0201049-008

Report Date: 01/24/25

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 Controler Leak Chk	Flow Out mL/min	Flow In	% RPD
L2473709-01	TR8-IA-08	01711	Flow 5	12/11/24	497762		-	-	-	Pass	4.5	5.2	14
L2473709-01	TR8-IA-08	1805	2.7L Can	12/02/24	490043	L2469414-18	Pass	-29.2	-5.4	-	-	-	-
L2473709-02	TR8-IA-09	0874	Flow 4	12/02/24	490043		-	-	-	Pass	4.5	5.1	13
L2473709-02	TR8-IA-09	2601	2.7L Can	12/02/24	490043	L2469414-20	Pass	-29.2	-7.3	-	-	-	-
L2473709-03	TR8-IA-10	0499	Flow 5	12/02/24	490043		-	-	-	Pass	4.5	5.2	14
L2473709-03	TR8-IA-10	466	2.7L Can	12/02/24	490043	L2469414-03	Pass	-29.3	-4.8	-	-	-	-
L2473709-04	TR8-IA-11	02665	Flow 4	12/11/24	497762		-	-	-	Pass	4.5	5.9	27
L2473709-04	TR8-IA-11	2873	2.7L Can	11/26/24	490040	L2468466-07	Pass	-29.4	-6.3	-	-	-	-

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

Lab Number: L2468466
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468466-07
Client ID: CAN 2873 FC 01892
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/22/24 04:22
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2468466
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468466-07
Client ID: CAN 2873 FC 01892
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.4	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2468466
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2468466-07
Client ID: CAN 2873 FC 01892
Sample Location:

Date Collected: 11/20/24 12:00
Date Received: 11/20/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/22/24 04:22
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	87		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-03
Client ID: CAN 466 FC 0499
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/25/24 23:17
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-03
Client ID: CAN 466 FC 0499
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Borane carbonyl	1.1	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-03
Client ID: CAN 466 FC 0499
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/25/24 23:17
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

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

Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-18
Client ID: CAN 1805 FC 01183
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 03:00
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-18
Client ID: CAN 1805 FC 01183
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-18
Client ID: CAN 1805 FC 01183
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 03:00
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-20
Client ID: CAN 2601 FC 0874
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 11/27/24 04:18
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-20
Client ID: CAN 2601 FC 0874
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.2	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	88		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2469414
Report Date: 01/24/25

Air Canister Certification Results

Lab ID: L2469414-20
Client ID: CAN 2601 FC 0874
Sample Location:

Date Collected: 11/25/24 08:00
Date Received: 11/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/27/24 04:18
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	91		60-140

Project Name: CARRIER-SYRACUSE
Project Number: 0201049-008

Lab Number: L2473709
Report Date: 01/24/25

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2473709-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473709-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473709-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2473709-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473709
Project Number:	0201049-008	**Report Date:**	01/24/25

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: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473709
Project Number:	0201049-008	**Report Date:**	01/24/25

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	CARRIER-SYRACUSE	**Lab Number:**	L2473709
Project Number:	0201049-008	**Report Date:**	01/24/25

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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.

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.
MADEP-APH.
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 test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Alpha SOP 23528

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

Certification IDs:

Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY JY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195

Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
CT PH-0825, ANAB/DoD L2474, IL 200081, IN C-MA-04, KY KY98046, LA 3090, ME MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, VT VT-0015, VA 460194, WA C954

Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

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

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: HA Client- Carrier
Address: 260 E. Main St, Ste 2100 Rochester, NY, 14604
Phone: 913-693-1905
Fax:
Email: jKingston@haleyaldrich.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Carrier-Syracuse
Project Location: Thompson Rd., Syracuse, NY
Project #: 0201049-008
Project Manager: Chris Anderson
ALPHA Quote #: 27837

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments: cc: jsanger@haleyaldrich.com

Project-Specific Target Compound List: ✓

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH (solvent non-petroleum HC) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
TR8-IA-08	TR8-IA-4	12/11/24	0840	1640	29.30	5.00	IA	JMS	2.7	466 #33	0499	X					IDCm: 1805 IDPC: 1711
TR8-IA-09	TR8-IA-5		0827	1627	29.30	6.60	IA	JMS		2601	0879	X					
TR8-IA-10	TR8-IA-6		0817	1617	29.20	4.19	IA	JMS	2	466	0499	X					
TR8-IA-11	TR8-IA-7		0845	1645	29.3	5.34	IA	JMS		2873	2665	X					

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	12/13/24 18:00		

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.

ANALYTICAL REPORT

Lab Number:	L2438101
Client:	Haley & Aldrich 200 Town Centre Drive Suite 2 Rochester, NY 14623
ATTN:	Jennifer Kingston
Phone:	(913) 693-1905
Project Name:	FORMER CARRIER FACILITY
Project Number:	0201049-006
Report Date:	07/12/24

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

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

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006

Lab Number: L2438101
Report Date: 07/12/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2438101-01	TR8-IA-1-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 15:01	07/05/24
L2438101-02	TR8-IA-2-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:15	07/05/24
L2438101-03	TR8-IA-3-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:26	07/05/24
L2438101-04	TR8-IA-4-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:37	07/05/24
L2438101-05	TR8-IA-5-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:37	07/05/24
L2438101-06	TR8-IA-6-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:40	07/05/24
L2438101-07	OA-1-070524	AIR	THOMPSON RD., EAST SYRACUSE, NY	07/05/24 16:10	07/05/24

Project Name:	FORMER CARRIER FACILITY	**Lab Number:**	L2438101
Project Number:	0201049-006	**Report Date:**	07/12/24

Case Narrative

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

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

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

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

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

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

Project Name:	FORMER CARRIER FACILITY	**Lab Number:**	L2438101
Project Number:	0201049-006	**Report Date:**	07/12/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 26, 2024. The canister certification data is provided as an addendum.

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: 07/12/24

AIR

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-01
Client ID: TR8-IA-1-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 15:01
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 16:16
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.031	0.020	--	0.169	0.109	--		1
Benzene	0.116	0.100	--	0.371	0.319	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	0.029	0.020	--	0.156	0.107	--		1
Toluene	0.569	0.100	--	2.14	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.099	0.020	--	0.430	0.087	--		1
p/m-Xylene	0.441	0.040	--	1.92	0.174	--		1
o-Xylene	0.259	0.020	--	1.12	0.087	--		1
Xylenes, Total	0.700	0.020	--	3.04	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-02
Client ID: TR8-IA-2-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:15
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 16:54
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.118	0.100	--	0.377	0.319	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	0.037	0.020	--	0.199	0.107	--		1
Toluene	0.692	0.100	--	2.61	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.079	0.020	--	0.343	0.087	--		1
p/m-Xylene	0.357	0.040	--	1.55	0.174	--		1
o-Xylene	0.227	0.020	--	0.986	0.087	--		1
Xylenes, Total	0.584	0.020	--	2.54	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	89		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-03
Client ID: TR8-IA-3-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:26
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 17:32
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.044	0.020	--	0.240	0.109	--		1
Benzene	0.105	0.100	--	0.335	0.319	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
Toluene	0.563	0.100	--	2.12	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.123	0.020	--	0.534	0.087	--		1
p/m-Xylene	0.569	0.040	--	2.47	0.174	--		1
o-Xylene	0.305	0.020	--	1.32	0.087	--		1
Xylenes, Total	0.874	0.020	--	3.80	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	91		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-04
Client ID: TR8-IA-4-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:37
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 18:12
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.118	0.100	--	0.377	0.319	--		1
Carbon tetrachloride	0.098	0.020	--	0.616	0.126	--		1
Trichloroethene	0.039	0.020	--	0.210	0.107	--		1
Toluene	0.682	0.100	--	2.57	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.080	0.020	--	0.347	0.087	--		1
p/m-Xylene	0.356	0.040	--	1.55	0.174	--		1
o-Xylene	0.212	0.020	--	0.921	0.087	--		1
Xylenes, Total	0.568	0.020	--	2.47	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	89		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-05
Client ID: TR8-IA-5-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:37
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 18:49
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.023	0.020	--	0.125	0.109	--		1
Benzene	0.114	0.100	--	0.364	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Trichloroethene	0.026	0.020	--	0.140	0.107	--		1
Toluene	0.492	0.100	--	1.85	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.052	0.020	--	0.226	0.087	--		1
p/m-Xylene	0.216	0.040	--	0.938	0.174	--		1
o-Xylene	0.129	0.020	--	0.560	0.087	--		1
Xylenes, Total	0.345	0.020	--	1.50	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-06
Client ID: TR8-IA-6-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:40
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 20:06
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.105	0.100	--	0.335	0.319	--		1
Carbon tetrachloride	0.118	0.020	--	0.742	0.126	--		1
Trichloroethene	0.025	0.020	--	0.134	0.107	--		1
Toluene	0.430	0.100	--	1.62	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	0.091	0.020	--	0.395	0.087	--		1
p/m-Xylene	0.396	0.040	--	1.72	0.174	--		1
o-Xylene	0.194	0.020	--	0.843	0.087	--		1
Xylenes, Total	0.590	0.020	--	2.56	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	88		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

SAMPLE RESULTS

Lab ID: L2438101-07
Client ID: OA-1-070524
Sample Location: THOMPSON RD., EAST SYRACUSE, NY

Date Collected: 07/05/24 16:10
Date Received: 07/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 15:39
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	0.085	0.020	--	0.535	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006
Lab Number: L2438101
Report Date: 07/12/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 07/09/24 13:34

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG1944933-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Xylenes, Total	ND	0.020	--	ND	0.087	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER CARRIER FACILITY

Project Number: 0201049-006

Lab Number: L2438101

Report Date: 07/12/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG1944933-3								
Vinyl chloride	102		-		70-130	-		25
1,1-Dichloroethene	92		-		70-130	-		25
Methylene chloride	98		-		70-130	-		25
trans-1,2-Dichloroethene	82		-		70-130	-		25
1,1-Dichloroethane	82		-		70-130	-		25
cis-1,2-Dichloroethene	87		-		70-130	-		25
1,1,1-Trichloroethane	107		-		70-130	-		25
Benzene	98		-		70-130	-		25
Carbon tetrachloride	119		-		70-130	-		25
Trichloroethene	91		-		70-130	-		25
Toluene	76		-		70-130	-		25
Tetrachloroethene	74		-		70-130	-		25
Ethylbenzene	78		-		70-130	-		25
p/m-Xylene	83		-		70-130	-		25
o-Xylene	85		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006

Lab Number: L2438101
Report Date: 07/12/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1944933-5 QC Sample: L2438101-05 Client ID: TR8-IA-5-070524						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.023	0.021	ppbV	9		25
Benzene	0.114	0.108	ppbV	5		25
Carbon tetrachloride	0.084	0.082	ppbV	2		25
Trichloroethene	0.026	0.027	ppbV	4		25
Toluene	0.492	0.460	ppbV	7		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Ethylbenzene	0.052	0.050	ppbV	4		25
p/m-Xylene	0.216	0.201	ppbV	7		25
o-Xylene	0.129	0.122	ppbV	6		25
Xylenes, Total	0.345	0.323	ppbV	7		25

Project Name: FORMER CARRIER FACILITY

Lab Number: L2438101

Project Number: 0201049-006

Report Date: 07/12/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2438101-01	TR8-IA-1-070524	0823	Flow 2	06/26/24	473785		-	-	-	Pass	4.5	7.2	46
L2438101-01	TR8-IA-1-070524	4395	2.7L Can	06/26/24	473785	L2435260-01	Pass	-29.0	-2.0	-	-	-	-
L2438101-02	TR8-IA-2-070524	02195	Flow 4	06/26/24	473785		-	-	-	Pass	4.5	4.6	2
L2438101-02	TR8-IA-2-070524	4418	2.7L Can	06/26/24	473785	L2435260-04	Pass	-29.0	-9.3	-	-	-	-
L2438101-03	TR8-IA-3-070524	02054	Flow 4	06/26/24	473785		-	-	-	Pass	4.5	4.5	0
L2438101-03	TR8-IA-3-070524	530	2.7L Can	06/26/24	473785	L2435260-09	Pass	-29.0	-7.6	-	-	-	-
L2438101-04	TR8-IA-4-070524	01208	Flow 5	06/26/24	473785		-	-	-	Pass	4.5	4.5	0
L2438101-04	TR8-IA-4-070524	4364	2.7L Can	06/26/24	473785	L2435260-10	Pass	-29.0	-11.5	-	-	-	-
L2438101-05	TR8-IA-5-070524	01953	Flow 4	06/26/24	473785		-	-	-	Pass	4.4	4.3	2
L2438101-05	TR8-IA-5-070524	4417	2.7L Can	06/26/24	473785	L2435260-02	Pass	-29.0	-7.7	-	-	-	-
L2438101-06	TR8-IA-6-070524	0087	Flow 5	06/26/24	473785		-	-	-	Pass	4.5	4.8	6
L2438101-06	TR8-IA-6-070524	4376	2.7L Can	06/26/24	473785	L2435260-03	Pass	-29.0	-5.5	-	-	-	-
L2438101-07	OA-1-070524	02183	Flow 5	06/26/24	473785		-	-	-	Pass	4.5	4.7	4
L2438101-07	OA-1-070524	3244	2.7L Can	06/26/24	473785	L2435260-08	Pass	-29.0	-8.5	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-01
Client ID: CAN 4395 FC 0823
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 16:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-01
Client ID: CAN 4395 FC 0823
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	82		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-01
Client ID: CAN 4395 FC 0823
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 16:03
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-02
Client ID: CAN 4417 FC 01208
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 16:41
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-02
Client ID: CAN 4417 FC 01208
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	78		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-02
Client ID: CAN 4417 FC 01208
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 16:41
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	83		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-03
Client ID: CAN 4376 FC 0087
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 17:20
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-03
Client ID: CAN 4376 FC 0087
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	2.4	J	ppbV		1
Cyclotrisiloxane, Hexamethyl-	1.1	NJ	ppbV		1
Silanol, Trimethyl-	2.4	NJ	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-03
Client ID: CAN 4376 FC 0087
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 17:20
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	88		60-140

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-04
Client ID: CAN 4418 FC 02195
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 17:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-04
Client ID: CAN 4418 FC 02195
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.0	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	80		60-140

Project Name: INDIV. CANISTER CERTIFICATION **Lab Number:** L2435260

Project Number: CANISTER QC INDIV **Report Date:** 07/12/24

Air Canister Certification Results

Lab ID: L2435260-04
Client ID: CAN 4418 FC 02195
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 17:59
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-08
Client ID: CAN 3244 FC 02183
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 20:34
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-08
Client ID: CAN 3244 FC 02183
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.2	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	82		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-08
Client ID: CAN 3244 FC 02183
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 20:34
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-09
Client ID: CAN 530 FC 02054
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 21:14
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-09
Client ID: CAN 530 FC 02054
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					
Unknown	1.1	J	ppbV		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	81		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-09
Client ID: CAN 530 FC 02054
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 21:14
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

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

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-10
Client ID: CAN 4364 FC 01953
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/24/24 21:53
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-10
Client ID: CAN 4364 FC 01953
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV
Lab Number: L2435260
Report Date: 07/12/24

Air Canister Certification Results

Lab ID: L2435260-10
Client ID: CAN 4364 FC 01953
Sample Location:

Date Collected: 06/21/24 10:00
Date Received: 06/21/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 06/24/24 21:53
Analyst: JFI

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140

Project Name: FORMER CARRIER FACILITY
Project Number: 0201049-006

Lab Number: L2438101
Report Date: 07/12/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2438101-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2438101-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	FORMER CARRIER FACILITY	**Lab Number:**	L2438101
Project Number:	0201049-006	**Report Date:**	07/12/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	FORMER CARRIER FACILITY	**Lab Number:**	L2438101
Project Number:	0201049-006	**Report Date:**	07/12/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	FORMER CARRIER FACILITY	**Lab Number:**	L2438101
Project Number:	0201049-006	**Report Date:**	07/12/24

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: 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
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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS
CHAIN OF CUSTODY

Page 1 of 1

Date Rec'd in Lab: 7/6/24

ALPHA Job #: L2438101

Westborough, MA: TEL: 508-898-9220, FAX: 508-822-3288
Mansfield, MA: TEL: 508-822-9300, FAX: 508-822-3288

H&A Information

H&A Client: HA Client - Carrier
H&A Address: 200 Town Center Dr. #2
Rochester, NY 14623
H&A Phone: 913.693.1905
H&A Fax:
H&A Email: jkingston@haleyaldrich.c

Project Information

Project Name: Former Carrier Facility
Project Location: Thompson Rd.,East Syracuse,NY
Project #: 0201049-006
(Use Project name as Project #) ☐
Project Manager: Jennifer Kingston
ALPHA Quote #: 27837

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
Other Formats:
☑ EMAIL
☒ Addl Deliverables HA EQUIS EDD

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client Info
PO # 0201049-006-001-01

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

These samples have been previously analyzed by Alpha ☐

Other Project Specific Requirements/ Comments/Detection Limits
cc: nago@haleyaldrich.com, bekdund@haleyaldrich.com, jsanger@haleyaldrich.com
TO-15 8-hr samples: report project-specific TCL: VC, 1,1-DCE, Methylene Chloride, tDCE, 1,1-DCA, cDCE,1,1,1-TCA, benzene, carbon tetrachloride, TCE, toluene, PCE, ethylbenzene, p/m-xylene, o-xylene, total xylenes, naphthalene, cyclohexane, isooctane (2,2,4-TMP), 1,2,4-TMB, 1,3,5-TMB, heptane, hexane. ~~TO-15 grab: report~~ ^12
~~Abbreviations~~ ^12

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection: End Date	Start Time	End Time	Initial Vac	Final Vac	Sample Matrix*	Sampler Initials	Can Size	Can ID	Flow Controller ID	ANALYSIS: TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans - TO-15			Sample Comments (i.e. PID)
	HRS-3A-1-070524	7/05/2024	0814	0910	1501	-29.49	-1.50	AA	MT	2.7L	4395	0823	X						
	HRS-3A-2-070524	7/05/2024	0905	1615	-29.29	-9.20	AA	MT	2.7	4119	0205	X							
	HRS-3A-3-070524	7/05/2024	0912	1624	-29.41	-7.89	AA	MT	2.7	530	03054	X							
	HRS-3A-4-070524	7/05/2024	0924	1637	-29.24	-11.35	AA	MT	2.7	4364	01203	X							
	HRS-3A-5-070524	7/05/2024	0920	1634	-29.32	-7.53	AA	MT	2.7	3417	01953	X							
	HRS-3A-6-070524	7/05/2024	0917	1640	-29.41	-5.34	AA	MT	2.7	4376	0287	X							
	3A-1-070524	7/05/2024	0842	1610	-29.34	-7.93	AA	MT	2.7	3214	02183	X							

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

Container Type: - - - - - - -

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	7/5/24 1900	[illegible]	7-5-24 [illegible]
[illegible]	7/5/24	[illegible]	2000
[illegible]	2400	[illegible]	7/6/24 00:00
[illegible]	7/6/24 0600	[illegible]	7/6/24 0700
[illegible]	7/6/24 0720	[illegible]	7/6/24 07:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. Alpha Analytical's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2022-24 Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.

Document ID: 22001 Rev 3 (11/22/2021)

APPENDIX C
Long-Term Monitoring Tables

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR4-SSV-1AS	TR4-SSV-1AS	TR4-IA-1AI	TR4-IA-1AI	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-1AS	TR4-IA-1AI	TR4-SSV-2AS	TR4-IA-2AI	TR4-SSV-2AS
Sample Date							12/06/2017	12/06/2017	12/06/2017	12/06/2017	03/02/2018	03/02/2018	04/01/2021	04/01/2021	12/08/2021	12/08/2021	12/20/2022	12/20/2022	01/09/2024	01/09/2024	12/11/2024	12/11/2024	12/06/2017	12/06/2017	03/02/2018
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
							L2116860-13		L2116860-14		L2116860-13	L2116860-14	L2116860-13	L2116860-14											
							SC42208-01		SC42208-03		SC42208-01	SC42208-03	SC42208-01	SC42208-03									SC42208-05	SC42208-06	SC42208-05
Lab Sample ID							SC44511-03	SC42208-02	SC44511-04	SC42208-04	SC44511-03	SC44511-04	SC44511-03	SC44511-04	L2167799-01	L2167799-02	L2271728-01	L2271728-02	L2402049-21	L2402049-22	L2473696-21	L2473696-22	SC44511-05	SC44511-06	SC44511-05
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	10.12 U	10.12 U	0.08 U	0.08 U	10.12 U	0.08 U	**0.644**	0.081 U	**0.154**	0.081 U	**0.364**	0.081 U	**0.332**	0.081 U	0.809 U	0.081 U	10.12 U	0.08 U	10.12 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	9.91 U	9.91 U	0.4 U	0.4 U	9.91 U	0.4 U	**0.274**	0.079 U	**0.258**	0.079 U	**0.182**	**0.095**	**0.127**	0.079 U	0.793 U	0.079 U	9.91 U	0.4 U	9.91 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	15.73 U	15.73 U	**0.33**	**0.38**	15.73 U	**0.19**	**0.528**	**0.371**	**0.598**	**0.403**	**0.849**	**0.484**	**0.78**	**0.491**	**1.27**	**0.547**	15.73 U	**0.32**	15.73 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**85.99**	**81.69**	**0.09 J**	**0.12**	**103.19**	**0.04 J**	**41.6**	0.107 U	**39.8**	0.107 U	**87.1**	**0.167**	**53.5**	0.107 U	**78.5**	**0.129**	**14.78**	0.11 U	**12.95**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**36.28**	**40.27**	0.55 U	**0.21 J**	**47.69**	0.55 U	**20.6**	0.109 U	**16.1**	0.109 U	**40**	**0.131**	**26.7**	0.109 U	**33**	0.109 U	**18.93**	0.55 U	**31.92**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	16.95 U	16.95 U	**0.09 J**	**0.15**	16.95 U	**0.05 J**	**1.16**	0.136 U	**1.07**	0.136 U	**1.97**	0.136 U	**1.08**	0.136 U	**1.9**	**0.373**	16.95 U	**0.03 J**	**18.92**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	8.68 U	8.68 U	**0.66**	**0.52**	8.68 U	**0.84**	1.74 U	1.74 U	**2.81**	1.74 U	1.74 U	1.74 U	**5.07**	1.74 U	1.74 U	1.74 U	8.68 U	**0.41**	8.68 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	6.39 U	6.39 U	0.05 U	0.05 U	6.39 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	0.05 U	6.39 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	9.92 U	9.92 U	0.08 U	0.08 U	9.92 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	0.08 U	9.92 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	9.91 U	9.91 U	0.4 U	0.4 U	9.91 U	0.4 U	**0.23**	0.079 U	0.079 U	0.079 U	**0.119**	0.079 U	**0.083**	0.079 U	0.793 U	**0.103**	9.91 U	0.4 U	9.91 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	7.98 U	7.98 U	**0.77**	**0.66**	7.98 U	**0.61**	-	-	0.319 U	0.319 U	**0.511**	0.319 U	**0.339**	**0.46**	**0.773**	**0.68**	7.98 U	**0.37**	7.98 U
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	10.84 U	10.84 U	**0.4 J**	0.43 U	10.84 U	0.43 U	-	-	**1.09**	**0.113**	**1.03**	**0.104**	**0.947**	**0.13**	0.869 U	**0.365**	10.84 U	0.43 U	10.84 U
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	21.68 U	21.68 U	**1.35 J**	0.87 UJ	21.68 U	0.87 U	-	-	**4.39**	**0.326**	**4.2**	**0.256**	**3.74**	**0.347**	1.74 U	**1.21**	21.68 U	0.87 U	21.68 U
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	10.84 U	10.84 U	**0.44 J**	**0.24 J**	10.84 U	**0.2 J**	-	-	**2.11**	**0.13**	**1.66**	**0.096**	**1.29**	**0.143**	0.869 U	**0.434**	10.84 U	0.43 U	10.84 U
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	9.41 U	9.41 U	**1.63**	**1.19**	9.41 U	**0.87**	-	-	**1.3**	**0.467**	**1.88**	**0.403**	**3.92**	**0.558**	0.754 U	**0.969**	9.41 U	**0.42**	9.41 U
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	**6.47**	**0.456**	**5.86**	**0.352**	**5.04**	**0.491**	0.869 U	**1.65**	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR4-IA-2AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-3AS	TR4-SSV-3AS	TR4-IA-3AI	TR4-IA-3AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-3AS	TR4-IA-3AI	TR4-SSV-3AS	TR4-IA-3AI
Sample Date							03/02/2018	12/06/2017	12/06/2017	03/02/2018	03/02/2018	01/15/2019	01/15/2019	01/15/2019	01/15/2019	04/01/2021	04/01/2021	12/08/2021	12/08/2021	12/20/2022	12/20/2022	01/09/2024	01/09/2024	12/11/2024	12/11/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
								1901332-01B	1901332-03B	1901332-01B	1901332-03B	1901332-01B		1901332-03B		1901332-01B	1901332-03B								
								L2116860-15	L2116860-16	L2116860-15	L2116860-16	L2116860-15		L2116860-16		L2116860-15	L2116860-16								
Lab Sample ID							SC42208-06	SC42208-07	SC42208-08	SC42208-07	SC42208-08	SC42208-07		SC42208-08		SC42208-07	SC42208-08								
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	SC44511-06 Indoor Air	SC44511-01 Subslab Vapor	SC44511-02 Indoor Air	SC44511-01 Subslab Vapor	SC44511-02 Indoor Air	SC44511-01 Subslab Vapor	1901332-02B Subslab Vapor	SC44511-02 Indoor Air	1901332-04B Indoor Air	SC44511-01 Subslab Vapor	SC44511-02 Indoor Air	L2167799-03 Subslab Vapor	L2167799-04 Indoor Air	L2271728-03 Subslab Vapor	L2271728-04 Indoor Air	L2402049-23 Subslab Vapor	L2402049-24 Indoor Air	L2473696-23 Subslab Vapor	L2473696-24 Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.08 U	10.12 U	**0.19**	**4.21**	0.08 U	**5.7**	**5.6**	**0.052 J**	**0.047 J**	**3.24**	0.081 U	**3.91**	0.081 U	**6.23**	**0.486**	**1.98**	0.081 U	**5.46**	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.4 U	**11.66**	**0.71**	**6.78**	**0.52**	**12**	**12**	**0.15**	**0.13**	**4.44**	0.079 U	**4.24**	**0.123**	**5.79**	**0.511**	**2.12**	0.079 U	**3.63**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.2**	15.73 U	**0.38**	3.15 U	**0.24**	**0.37**	**0.39**	**0.42**	**0.36**	**0.371**	**0.371**	**0.434**	**0.403**	**0.522**	**0.516**	**0.465**	**0.497**	1.26 U	**0.516**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.06 J**	**14.73**	**0.53**	**25.64**	**1.78**	**24**	**23**	**0.28**	**0.25**	**7.63**	0.107 U	**12.7**	**0.258**	**12.4**	**0.849**	**5.22**	**0.22**	**8.81**	**0.129**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.55 U	**42.61**	**1.72**	**65.47**	**2.94**	**41**	**40**	**0.27**	**0.24**	**21.9**	0.109 U	**25.3**	**0.295**	**27.6**	**1.11**	**1.22**	0.109 U	**4.76**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.09 J**	16.95 U	**0.09 J**	3.39 U	**0.38 J**	**0.094 J**	**0.091 J**	**0.11 J**	**0.085 J**	**0.38**	0.136 U	**0.149**	0.136 U	**0.726**	0.136 U	**0.373**	0.136 U	1.36 U	**0.19**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**1.77**	8.68 U	**0.49**	1.74 U	**3.15**	1.2 U	2.1 U	1.2 U	2.5 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.05 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.049 J**	**0.039 J**	0.086 U	0.084 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.08 U	9.92 U	0.08 U	1.98 U	0.08 U	**0.56**	**0.54**	0.067 U	0.065 U	**0.448**	0.079 U	**0.523**	0.079 U	**0.511**	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.4 U	9.91 U	0.4 U	1.98 U	**0.56**	**0.17 J**	**0.15 J**	**0.15 J**	**0.13 J**	**0.186**	0.079 U	**0.103**	0.079 U	**0.107**	0.079 U	0.079 U	0.079 U	0.793 U	**0.087**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.02**	7.98 U	**0.63**	**4.31**	**0.68**	**0.29**	**0.33**	**0.69**	**0.67**	-	-	0.319 U	**0.326**	0.319 U	**0.351**	0.319 U	**0.441**	0.639 U	**0.799**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.43 U	10.84 U	0.43 U	2.17 U	0.43 U	**0.083 J**	**0.13 J**	**0.34**	**0.3**	-	-	**2.49**	**0.104**	**1.11**	**1.36**	**0.83**	**0.143**	0.869 U	**0.204**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**1.24**	21.68 U	0.87 U	4.34 U	0.87 U	**0.29 J**	**0.42**	**1**	**0.9**	-	-	**10**	**0.3**	**4.52**	**5.26**	**3.34**	**0.421**	1.74 U	**0.652**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.36 J**	10.84 U	**0.26 J**	2.17 U	**0.21 J**	**0.12 J**	**0.2**	**0.41**	**0.36**	-	-	**4.73**	**0.117**	**1.81**	**1.29**	**1.2**	**0.126**	0.869 U	**0.382**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.5**	9.41 U	**1.55**	1.88 U	**1.19**	**0.32**	**0.74**	**3.1**	**2.9**	-	-	**3**	**0.411**	**1.93**	**0.475**	**3.17**	**0.543**	**0.844**	**1.07**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	-	**14.8**	**0.417**	**6.34**	**6.56**	**4.56**	**0.547**	0.869 U	**1.03**

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR4-SSV-4AS	TR4-IA-4AAI	TR4-SSV-4AS	TR4-IA-4AAI	TR4-SSV-4AS	TR4-SSV-4AS	TR4-IA-4AAI	TR4-IA-4AAI	TR4-IA-4AI	TR4-SSV-4AS	TR4-IA-4AI	TR4-IA-4AI	TR4-SSV-4AS	TR4-IA-4AI	TR4-IA-4BAI	TR4-SSV-5AS	TR4-IA-5AI
Sample Date							12/06/2017	12/06/2017	03/02/2018	03/02/2018	04/01/2021	04/01/2021	04/01/2021	04/01/2021	12/08/2021	12/20/2022	12/20/2022	01/09/2024	01/09/2024	01/09/2024	12/11/2024	12/11/2024	12/06/2017	12/06/2017	12/06/2017
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2116860-17 SC42208-09 SC44511-07	SC42208-10	L2116860-17 SC42208-09 SC44511-07	L2116860-19 SC44511-08	L2116860-17 SC42208-09 SC44511-07	L2116860-18	L2116860-19 SC44511-08	L2116860-20	L2167799-06	L2271728-05	L2271728-06	L2402049-25	L2402049-26	L2402049-28	L2473696-25	L2473696-26	SC42208-11	SC42208-12 SC44511-09	SC42208-13 SC44511-10
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	10.12 U	**0.09**	10.12 U	0.08 U	**1.24**	**1.21**	**0.174**	**0.17**	**0.089**	**0.737**	**0.142**	**0.291**	0.081 U	0.081 U	0.809 U	0.081 U	**0.09 J**	10.12 U	0.08 UJ
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	9.91 U	0.4 U	9.91 U	0.4 U	**2.27**	**2.24**	**0.206**	**0.21**	**0.095**	**1.16**	**0.167**	**0.282**	0.079 U	**0.305**	0.793 U	0.079 U	0.4 U	9.91 U	0.4 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	15.73 U	**0.33**	15.73 U	**0.23**	**0.465**	**0.421**	**0.377**	**0.396**	**0.39**	**0.604**	**0.478**	**0.447**	**0.472**	**0.497**	1.26 U	**0.541**	**0.52 J**	15.73 U	**0.37 J**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**88.67 J-**	**0.31**	**64.49**	**0.42**	**82.2**	**80.6**	**0.656**	**0.666**	**0.473**	**50.1**	**0.489**	**18.4**	0.107 U	0.107 U	**23.1**	0.107 U	**0.29**	**67.18**	**0.1 J**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**11.29 J**	**1.15**	13.64 U	**4**	**4.68**	**4.62**	**1.93**	**1.99**	**0.666**	**5.57**	**1.01**	**1.07**	0.109 U	0.109 U	**1.44**	0.109 U	**0.93**	**83.48**	0.55 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	16.95 U	**0.11 J**	16.95 U	**0.06 J**	**1.71**	**1.75**	**0.264**	**0.258**	0.136 U	**4.73**	0.136 U	**6.59**	**0.142**	**0.149**	**1.59**	**0.163**	**0.07 J**	16.95 U	**0.04 J**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	8.68 U	**0.95**	8.68 U	**0.55**	1.74 U	1.74 U	1.74 U	1.74 U	**17.8**	1.74 U	1.74 U	1.74 U	**1.81**	1.74 U	1.74 U	1.74 U	**1.02**	8.68 U	**1.16**
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	6.39 U	0.05 U	6.39 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	0.05 UJ	6.39 U	0.05 UJ
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	9.92 U	0.08 U	9.92 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	0.08 UJ	9.92 U	0.08 UJ
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	9.91 U	0.4 U	9.91 U	**0.29 J**	**0.329**	**0.313**	**0.206**	**0.226**	**0.143**	**1.16**	**0.325**	**0.194**	**0.234**	**0.25**	0.793 U	**0.301**	0.4 U	9.91 U	0.4 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	7.98 U	**0.56**	7.98 U	**0.51**	-	-	-	-	**0.358**	**0.498**	0.319 U	**0.438**	**0.607**	**0.565**	0.639 U	**0.658**	**0.46**	7.98 U	**0.72**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	10.84 U	**0.43 J**	10.84 U	0.43 U	-	-	-	-	**1.23**	**3.5**	**11.6**	**0.586**	**0.821**	**0.86**	0.869 U	**0.217**	**0.47**	**9.54 J**	**0.8**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	21.68 U	**1.42**	21.68 U	0.87 U	-	-	-	-	**4.39**	**14.1**	**46**	**1.97**	**3.32**	**3.54**	1.74 U	**0.712**	**1.28**	**45.09**	**3.35**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	10.84 U	**0.74**	10.84 U	**0.33 J**	-	-	-	-	**1.53**	**4.16**	**11.5**	**0.856**	**1.32**	**1.39**	0.869 U	**0.326**	**0.64**	**21.89**	**1.47**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**23.93 J-**	**3.11**	9.41 U	**2.43**	-	-	-	-	**2.48**	**2.81**	**1.1**	**2.08**	**4.18**	**4.07**	**1.16**	**0.871**	**2.08**	**10.31**	**2.17**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	**5.95**	**18.3**	**57.3**	**2.82**	**4.65**	**4.95**	0.869 U	**1.04**	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
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All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR4-SSV-5AS	TR4-IA-5AI	TR5A-SSV-1AS	TR5A-IA-1AI	TR5A-SSV-1AS	TR5A-IA-1AI	TR5A-SSV-1AS	TR5A-SSV-1AS	TR5A-IA-1AI	TR5A-SSV-1AS	TR5A-IA-1AI	TR5A-IA-1AI	TR5A-SSV-2AS	TR5A-IA-2AI	TR5A-IA-2AI	TR5A-SSV-2AS	TR5A-IA-2AI	TR5A-SSV-2AS
Sample Date							03/02/2018	03/02/2018	08/31/2022	08/31/2022	12/22/2022	12/22/2022	01/11/2024	01/11/2024	01/11/2024	12/12/2024	12/12/2024	12/12/2024	08/31/2022	08/31/2022	08/31/2022	12/22/2022	12/22/2022	01/11/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample
Lab Sample ID							SC42208-12 SC44511-09	SC42208-13 SC44511-10	L2247390-01	L2247390-02	L2272323-07	L2272323-08	L2402049-50	L2402049-53	L2402049-51	L2473696-33	L2473696-34	L2473696-40	L2247390-03	L2247390-04	L2247390-05	L2272323-09	L2272323-10	L2402049-48
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																								
Matrix A																								
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**3.13**	0.08 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.809 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	**0.184**	0.081 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U	**0.087**	0.079 U	**1.05**	0.079 U	0.793 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.18 U	**0.091**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	3.15 U	**0.23**	**0.421**	**0.465**	**0.428**	**0.491**	**0.428**	**0.365**	**0.453**	1.26 U	**0.528**	**0.541**	**0.459**	**0.478**	**0.503**	**0.372**	**0.403**	**0.453**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**63.42**	**0.18**	**1.77**	**0.107**	**1.1**	0.107 U	**0.451**	**1.17**	0.107 U	1.07 U	0.107 U	0.107 U	**8.6**	0.107 U	0.107 U	**5.23**	0.107 U	**2.4**
Matrix B																								
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**66.56**	**0.97**	**0.884**	0.109 U	**0.453**	0.109 U	**0.333**	**0.327**	0.109 U	1.09 U	0.109 U	0.109 U	**1.24**	0.109 U	0.109 U	**0.655**	0.109 U	**0.802**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	3.39 U	**0.06 J**	**1.38**	**0.149**	**1.48**	0.136 U	**0.359**	**10.6**	**0.156**	1.36 U	0.136 U	**0.142**	**1.96**	0.136 U	0.136 U	**1.99**	**0.149**	**1.08**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	**2.44**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**11.2**	1.74 U	1.74 U
Matrix C																								
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	1.28 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	0.051 U	**0.276**	0.051 U	0.051 U	0.116 U	0.051 U	0.051 U
Other																								
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.18 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	1.98 U	**0.42**	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	**0.139 J**	0.079 UJ	0.079 U	0.079 U	0.079 U	0.18 U	0.079 U	0.079 U
Non-Chlorinated VOCs																								
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	1.6 U	**0.58**	**1.58**	**0.575**	**0.664**	0.319 U	**0.422**	0.319 U	**0.466**	**0.677**	**0.425**	**0.335**	**5.85**	**0.39**	**0.403**	**6.26**	0.319 U	**1.59**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	2.17 U	**0.58**	**10.9**	**1.05**	**30.1**	**8.34**	**107**	**109**	**0.764**	**45.2**	**0.517**	**0.543**	**18.6**	**0.452**	**0.439**	**617**	**7.47**	**452**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**6.2**	**2.51**	**39.1**	**4.34**	**94.3**	**35.7**	**306**	**304**	**2.84**	**103**	**1.92**	**1.95**	**59.5**	**1.7**	**1.65**	**1690**	**32.2**	**1000**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**3.26**	**1.09**	**16.8**	**1.65**	**21.5**	**12.2**	**53.4**	**54.3**	**0.682**	**17.7**	**0.63**	**0.482**	**22.4**	**0.717**	**0.704**	**380**	**11.1**	**208**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**2.22**	**4.7**	**27.1**	**7.08**	**12.1**	**1.25**	**4.52**	**4.45**	**0.976**	**6.86**	**1.7**	**1.51**	**43**	**1.93**	**1.8**	**55**	**1.07**	**19.7**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	**55.6**	**5.99**	**116**	**47.8**	**360**	**359**	**3.52**	**120**	**2.55**	**2.43**	**82.1**	**2.42**	**2.35**	**2070**	**43.3**	**1000**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR5A-IA-2AI	TR5A-SSV-2AS	TR5A-IA-2AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-1AS	TR5-IA-1AI	TR5-SSV-2AS	TR5-IA-2AI
Sample Date							01/11/2024	12/12/2024	12/12/2024	12/07/2017	12/07/2017	03/05/2018	03/05/2018	04/01/2021	04/01/2021	12/10/2021	12/10/2021	12/21/2022	12/21/2022	01/10/2024	01/10/2024	12/13/2024	12/13/2024	12/07/2017	12/07/2017
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2402049-49	L2473696-35	L2473696-36	L2116860-01 SC42333-03 SC44594-03	L2116860-02 SC42333-04 SC44594-04	L2116860-01 SC42333-03 SC44594-03	L2116860-02 SC42333-04 SC44594-04	L2116860-01 SC42333-03 SC44594-03	L2116860-02 SC42333-04 SC44594-04	L2168305-06	L2168305-07	L2272321-01	L2272321-02	L2402049-29	L2402049-30	L2473696-41	L2473696-42	L2116860-05 SC42333-01 SC44594-01	L2116860-06 SC42333-02 SC44594-02
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	1.69 U	0.081 U	10.12 UJ	0.08 U	40.49 U	0.08 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	**0.186**	0.081 U	0.809 U	0.081 U	19.52 U	**0.05**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	1.65 U	0.079 U	9.91 UJ	0.4 U	39.65 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	**0.123**	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	19.11 U	0.4 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.44**	2.62 U	**0.56**	15.73 UJ	**0.32**	62.9 U	**0.31**	**7.23**	**0.428**	**7.55**	**0.623**	**9.5**	**0.472**	**10.1**	**0.415**	**10.2**	**0.434**	30.32 U	**0.19**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**4.07**	0.107 U	13.44 UJ	**0.08**	53.74 U	**0.05**	**29.7**	0.107 U	**30.6**	**0.124**	**28.8**	**0.242**	**19.6**	**0.226**	**28.9**	**0.118**	**449 J-**	**0.18**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	2.28 U	0.109 U	**18.3 J**	0.55 U	**347**	0.55 U	**135**	0.109 U	**126**	0.109 U	**169**	0.109 U	**184**	0.109 U	**135**	0.109 U	**57.8 J**	0.55 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.176**	**4.79**	0.136 U	16.95 UJ	0.14 U	67.81 U	0.34 UJ	**0.522**	0.136 U	**0.583**	**0.176**	**1.11**	0.136 U	**0.834**	**0.258**	1.36 U	0.136 U	32.69 U	**0.16**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	3.61 U	1.74 U	8.68 UJ	**0.47**	34.72 U	**0.66**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	16.74 U	0.35 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	1.07 U	0.051 U	6.39 UJ	0.05 U	25.56 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	12.32 U	0.05 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	1.65 U	0.079 U	9.92 UJ	0.08 U	39.67 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	19.12 U	0.08 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	1.65 U	0.079 U	9.91 UJ	0.4 U	39.65 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	19.11 U	0.4 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.559**	**2.49**	**0.364**	7.98 UJ	**0.49**	31.9 U	**0.54**	-	-	0.319 U	**0.639**	0.319 U	**0.658**	**0.479**	**0.53**	0.639 U	**0.409**	15.38 U	**0.78**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.539**	**751**	**0.591**	10.84 UJ	0.43 U	43.35 U	0.43 UJ	-	-	**0.46**	**0.53**	**0.825**	**0.912**	**1.24**	**0.243**	0.869 U	**0.308**	**142 J**	**0.62**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**2.03**	**1350**	**2.11**	21.68 UJ	0.87 U	86.71 U	0.87 UJ	-	-	**1.61**	**1.45**	**3.25**	**3.3**	**4.95**	**0.812**	**1.79**	**0.552**	**936 J**	**2.46**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.586**	**478**	**0.543**	10.84 UJ	0.43 U	43.35 U	0.43 UJ	-	-	**0.764**	**0.582**	**1.33**	**1.06**	**1.87**	**0.33**	**0.869**	**0.208**	**429 J**	**0.88**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.15**	**28.7**	**2.59**	**7.71 J-**	**0.64**	37.63 U	**0.39**	-	-	**0.931**	**1.51**	**1.29**	**1.5**	**5.46**	**0.739**	**1.07**	**0.599**	**70.7 J-**	**1.38**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**2.61**	**1830**	**2.65**	-	-	-	-	-	-	**2.38**	**2.03**	**4.6**	**4.34**	**6.82**	**1.14**	**2.65**	**0.76**	-	-

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR5-SSV-2AS	TR5-IA-2AI	TR5-SSV-2AS	TR5-IA-2AI	TR5-SSV-2AS	TR5-IA-2AI	TR5-SSV-2AS	TR5-SSV-2AS	TR5-IA-2AI	TR5-IA-2AI	TR5-SSV-2AS	TR5-SSV-2AS	TR5-IA-2AI	TR5-IA-2AI	TR5-SSV-3AS
Sample Date							03/05/2018	03/05/2018	04/01/2021	04/01/2021	12/10/2021	12/10/2021	12/21/2022	12/21/2022	12/21/2022	12/21/2022	01/10/2024	01/10/2024	01/10/2024	01/10/2024	12/13/2024	12/13/2024	12/13/2024	12/13/2024	12/07/2017
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample
Lab Sample ID							L2116860-05 SC42333-01 SC44594-01	L2116860-06 SC42333-02 SC44594-02	L2116860-05 SC42333-01 SC44594-01	L2116860-06 SC42333-02 SC44594-02	L2168305-08	L2168305-09	L2272321-03	L2272321-11	L2272321-04	L2272321-12	L2402049-33	L2402049-40	L2402049-34	L2402049-41	L2473696-43	L2473696-52	L2473696-44	L2473696-53	L2116860-03 SC42333-05 SC44594-05
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	101.23 U	**0.04**	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.253 U	0.081 U	0.081 U	0.202 U	0.154 U	**0.105**	0.081 U	0.809 U	0.809 U	0.081 U	0.081 U	21.26 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	99.13 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	**0.083 J**	0.248 UJ	0.079 U	0.079 U	0.198 U	0.151 U	0.079 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	20.82 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	157.26 U	**0.31**	**0.384**	**0.384**	**0.528**	**0.535**	**0.541 J**	**0.531**	**0.491**	**0.503**	**0.488**	**0.599**	**0.484**	**0.447**	1.26 U	1.26 U	**0.478**	**0.434**	33.02 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**154.78**	**0.11**	**74.2**	0.107 U	**88.1**	0.107 U	**55.9 J**	**96.2 J**	**0.263**	**0.301**	**106**	**102**	**0.193**	**0.15**	**113**	**103**	**0.118**	**0.156**	28.21 U
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	136.4 U	0.55 U	**2.74**	0.109 U	**4.73**	**0.175**	**3.14 J**	**5.13 J**	0.109 U	0.109 U	**4.98**	**5.57**	0.109 U	0.109 U	**5.67**	**5.2**	0.109 U	**0.115**	28.64 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	169.53 U	0.34 UJ	**1.84**	0.136 U	**2.62**	**0.332**	**6.39 J**	**3.52 J**	**0.339**	**0.332**	**3.58**	**3.44**	**0.346**	**0.244**	**3.07**	**3.17**	0.136 U	0.136 U	35.6 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	86.81 U	**0.64**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**9.45 J**	1.74 U	1.74 U	4.34 U	**3.58**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	18.23 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	63.91 U	0.05 U	**0.202**	0.051 U	0.051 U	0.051 U	0.051 U	0.16 U	0.051 U	0.051 U	0.128 U	0.097 U	0.051 U	0.051 U	0.511 U	0.511 U	0.051 U	0.051 U	13.42 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	99.18 U	**0.04**	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.248 U	0.079 U	0.079 U	0.198 U	0.151 U	0.079 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	20.83 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	99.13 U	0.4 U	**0.079**	0.079 U	0.079 U	0.079 U	**0.127 J**	0.248 UJ	**0.17**	**0.21**	0.198 U	0.151 U	**0.135**	**0.119**	0.793 U	0.793 U	0.079 U	**0.083**	20.82 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	79.75 U	**0.76**	-	-	0.319 U	**1.88**	0.319 U	0.997 U	**1.64**	**1.77**	**1.12**	**1.16**	**1.27**	**1.21**	**0.99**	**0.962**	**0.636**	**0.687**	16.75 U
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	108.38 U	0.43 UJ	-	-	**54.7**	**3.45**	**58.2 J**	**93.4 J**	**5.26**	**5**	**81.7**	**82.1**	**1.71**	**1.15**	**66.9**	**62.1**	**0.352**	**0.4**	22.76 U
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**223.27**	0.87 UJ	-	-	**203**	**9.6**	**222 J**	**385 J**	**20.4**	**19**	**317**	**305**	**6.73**	**4.52**	**232**	**216**	**1.23**	**1.42**	**48.12**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	108.38 U	**0.3 J**	-	-	**78.6**	**3.8**	**109 J**	**179 J**	**6.3**	**5.95**	**162**	**159**	**2.42**	**1.72**	**136**	**127**	**0.491**	**0.612**	22.76 U
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	94.07 U	**0.56**	-	-	**54.6**	**7.99**	**27.9 J**	**47.5 J**	**5.84**	**6.56**	**42.2**	**40.3**	**6.78**	**3.99**	**38.8**	**36.3**	**1.43**	**1.7**	**61.33**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	**282**	**13.4**	**331 J**	**565 J**	**26.7**	**24.9**	**478**	**465**	**9.16**	**6.25**	**368**	**343**	**1.72**	**2.04**	-

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR5-IA-3AI	TR5-SSV-3AS	TR5-IA-3AI	TR5-SSV-3AS	TR5-IA-3AI	TR5-SSV-3AS	TR5-IA-3AI	TR5-SSV-3AS	TR5-IA-3AI	TR5-SSV-3AS	TR5-IA-3AI	TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-4AS	TR5-IA-4AI
Sample Date							12/07/2017	03/05/2018	03/05/2018	04/01/2021	04/01/2021	12/10/2021	12/10/2021	12/21/2022	12/21/2022	01/10/2024	01/10/2024	12/13/2024	12/13/2024	12/07/2017	12/07/2017	03/05/2018	03/05/2018	04/01/2021	04/01/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
							L2116860-04	L2116860-03	L2116860-04	L2116860-03	L2116860-04									L2116860-07	L2116860-08	L2116860-07	L2116860-08	L2116860-07	L2116860-08
							SC42333-06	SC42333-05	SC42333-06	SC42333-05	SC42333-06									SC42333-07	SC42333-08	SC42333-07	SC42333-08	SC42333-07	SC42333-08
Lab Sample ID							SC44594-06	SC44594-05	SC44594-06	SC44594-05	SC44594-06	L2168305-10	L2168305-11	L2272321-05	L2272321-06	L2402049-31	L2402049-32	L2473696-45	L2473696-46	SC44594-07	SC44594-08	SC44594-07	SC44594-08	SC44594-07	SC44594-08
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.02 J**	40.49 U	0.08 U	**0.356**	0.081 U	**0.635**	0.081 U	**0.166**	0.081 U	**0.389**	0.081 U	0.809 U	0.081 U	10.12 U	0.08 U	40.49 U	0.08 U	**0.486**	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.4 U	39.65 U	0.4 U	**0.309**	0.079 U	**0.242**	0.079 U	**0.289**	0.079 U	**0.333**	0.079 U	0.793 U	0.079 U	**8.64**	0.4 U	39.65 U	0.4 U	**0.825**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.3**	62.9 U	**0.25**	**0.723**	**0.415**	**0.667**	**0.56**	**0.9**	**0.522**	**1.01**	**0.403**	1.26 U	**0.491**	15.73 U	**0.31**	62.9 U	**0.31**	**2.6**	**0.384**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.11**	53.74 U	**0.05**	**83.8**	0.107 U	**59.1**	0.107 U	**55.9**	**0.156**	**82.2**	0.107 U	**74.7**	0.107 U	**1030**	**0.53**	**1349**	**1.82**	**185**	**0.742**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.55 U	54.56 U	0.55 U	**48.2**	0.109 U	**79.1**	**0.125**	**28.8**	0.109 U	**90.6**	0.109 U	**72.6**	0.109 U	**709**	**0.26 J**	**763.84**	0.55 U	**123**	**0.404**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.05 J**	67.81 U	0.34 UJ	**0.882**	0.136 U	**1.39**	**0.217**	**1.01**	**0.224**	**1.14**	**0.319**	**1.7**	0.136 U	16.95 U	**0.12 J**	67.81 U	0.34 UJ	**0.997**	**0.197**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.67**	34.72 U	**0.58**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.66**	34.72 U	**0.55**	2.9 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.05 U	25.56 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	0.05 U	25.56 U	0.05 U	0.085 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.08 U	39.67 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	0.08 U	39.67 U	0.08 U	0.132 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.4 U	39.65 U	0.4 U	**0.143**	0.079 U	0.079 U	0.079 U	**0.107**	**0.099**	**0.194**	**0.079**	0.793 U	0.079 U	**50**	0.4 U	39.65 U	**0.82**	**5.39**	**0.428**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.6**	31.9 U	**0.56**	-	-	0.319 U	**1.27**	0.319 U	**1.11**	**0.853**	**0.831**	**0.789**	**0.441**	7.98 U	**11.36**	31.9 U	**10.53**	-	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.43 U	43.35 U	0.43 UJ	-	-	**4.43**	**1.89**	**4.04**	**3.02**	**2.16**	**0.604**	**2.26**	**0.235**	**108**	**15.65**	**884.42**	**10.84 J**	-	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	0.87 U	86.71 U	0.87 UJ	-	-	**17.2**	**5.56**	**16.5**	**11.3**	**8.17**	**2.2**	**8.77**	**0.877**	**333**	**62.86**	**5809**	**43.79 J**	-	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.31 J**	43.35 U	**0.16 J**	-	-	**8.43**	**2.17**	**7.69**	**3.51**	**3.8**	**0.895**	**4.6**	**0.395**	**124**	**26.79**	**3577**	**16.82 J**	-	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.75**	37.63 U	**0.63**	-	-	**6.52**	**4.67**	**5.13**	**3.66**	**5.46**	**1.67**	**4.75**	**0.814**	9.41 U	**34.69**	37.63 U	**31.16**	-	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	**25.6**	**7.73**	**24.2**	**14.9**	**12**	**3.1**	**13.4**	**1.27**	-	-	-	-	-	-

Notes and Abbreviations:
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NS: No screening value
NYSDOH: New York State Department of Health
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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-4AS	TR5-IA-4AI	TR5-SSV-5AS	TR5-IA-5AI	TR5-SSV-5AS	TR5-IA-5AI	TR5-SSV-5AS	TR5-SSV-5AS	TR5-IA-5AI	TR5-IA-5AI	TR5-SSV-5AS
Sample Date							12/10/2021	12/10/2021	12/21/2022	12/21/2022	01/10/2024	01/10/2024	12/13/2024	12/13/2024	12/07/2017	12/07/2017	03/05/2018	03/05/2018	03/05/2018	03/05/2018	04/01/2021	04/01/2021	04/01/2021	04/01/2021	12/10/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample
Lab Sample ID							L2168305-12	L2168305-13	L2272321-07	L2272321-08	L2402049-35	L2402049-36	L2473696-47	L2473696-48	L2116860-09 SC42333-09 SC44594-09	L2116860-11 SC42333-10 SC44594-11	L2116860-09 SC42333-09 SC44594-09	SC44594-10	L2116860-11 SC42333-10 SC44594-11	SC44594-12	L2116860-09 SC42333-09 SC44594-09	L2116860-10	L2116860-11 SC42333-10 SC44594-11	L2116860-12	L2168305-14
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.826**	0.081 U	**2.29**	0.081 U	**1.66**	0.081 U	**1.9**	**0.105**	10.12 U	0.14 U	2.02 U	2.02 U	0.08 U	0.08 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 UJ
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.42**	0.079 U	**2.39**	0.079 U	**1.64**	0.079 U	**1.62**	0.079 U	9.91 U	0.66 U	1.98 U	1.98 U	0.4 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 UJ
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**7.42**	**0.579**	**18.7**	**0.547**	**11**	**0.428**	**11.9**	**0.44**	15.73 U	**0.48**	3.15 U	3.15 U	**0.25**	**0.22**	**0.415**	**0.44**	**0.396**	**0.384**	**0.421**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**213**	**0.473**	**962**	**0.774**	**661**	**0.613**	**785**	**0.726**	**16.07 J**	0.18 U	**17.31**	**23.38**	0.11 U	0.11 U	**9.89**	**9.73**	0.107 U	0.107 U	**10.2**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**320**	**1.05**	**726**	**0.109**	**539**	**0.109**	**633**	**1.21**	**15.82**	0.91 U	**12.49**	**14.35**	**1.91**	**1.83**	**6.6**	**6.6**	0.109 U	0.109 U	**6.93**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**1.68**	**1.24**	**4.37**	**1.17**	**2.82**	**0.692**	**3.05**	**0.617**	**106.46**	0.23 U	**128.16**	**148.51**	0.14 U	**0.18**	**43.9**	**43.5**	0.136 U	0.136 U	**53.8**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	3.47 U	1.74 U	5.42 U	1.74 U	3.47 U	1.74 U	3.47 U	1.74 U	8.68 U	**1.83**	1.74 U	1.74 U	**0.44 J**	**0.84 J**	1.74 U	1.74 U	1.74 U	1.74 U	**1.9**
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.102 U	0.051 U	0.16 U	0.051 U	0.102 U	0.051 U	1.02 U	0.051 U	6.39 U	0.09 U	1.28 U	1.28 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.159 U	0.079 U	0.248 U	0.079 U	0.159 U	0.079 U	1.59 U	0.079 U	9.92 U	0.13 U	1.98 U	1.98 U	0.08 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**10.2**	**0.147**	**37**	**1.88**	**22.9**	**1.55**	**29.5**	**0.833**	9.91 U	0.66 U	**2.14**	**2.1**	**52.34 DJ**	**40.45 DJ**	**3.95**	**3.89**	**23.2**	**22.8**	**4.44**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.96**	**13.2**	**1.94**	**9.97**	**2.19**	**10.4**	**2.17**	**11.1**	7.98 U	**0.85**	1.6 U	1.6 U	**0.6**	**0.75**	-	-	-	-	**0.617**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**123**	**30**	**207**	**39.7**	**54.7**	**10.7**	**49.5**	**10.3**	10.84 U	0.72 U	2.17 U	2.17 U	**0.37 J**	**0.54 J**	-	-	-	-	**3.19**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**500**	**88.6**	**521**	**154**	**86.4**	**40.2**	**67.3**	**39.9**	21.68 U	1.45 U	**5.25**	**4.77**	**1.14 J**	**1.95 J**	-	-	-	-	**11.2**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**306**	**35**	**612**	**48.6**	**195**	**16.3**	**251**	**15.1**	10.84 U	0.72 U	**2.08**	**1.91**	**0.42 J**	**0.68 J**	-	-	-	-	**4.69**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**28.8**	**65.2**	**20.7**	**41.5**	**16**	**33.4**	**21.1**	**38.8**	9.41 U	**1.11**	**3.65**	**3.35**	**4.33**	**5.34**	-	-	-	-	**5.43**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**808**	**124**	**1140**	**202**	**282**	**56.5**	**318**	**54.7**	-	-	-	-	-	-	-	-	-	-	**15.9**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR5-SSV-5AS	TR5-IA-5AI	TR5-IA-5AI	TR5-SSV-5AS	TR5-IA-5AI	TR5-SSV-5AS	TR5-IA-5AI	TR5-SSV-5AS	TR5-IA-5AI	TR6A-SSV-1AS	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-IA-1AI	TR6A-SSV-1AS	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-IA-1AI	TR6A-SSV-1AS	TR6A-IA-1AI
Sample Date							12/10/2021	12/10/2021	12/10/2021	12/21/2022	12/21/2022	01/10/2024	01/10/2024	12/13/2024	12/13/2024	12/11/2017	12/11/2017	12/11/2017	12/11/2017	03/13/2018	03/13/2018	03/13/2018	03/13/2018	03/30/2021	03/30/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample
Lab Sample ID							L2168305-15	L2168305-16	L2168305-17	L2272321-09	L2272321-10	L2402049-37	L2402049-38	L2473696-49	L2473696-50	L2116079-01 SC42329-05 SC44770-01	SC42329-06	L2116079-02 SC42329-07 SC44770-03	SC42329-08	L2116079-01 SC42329-05 SC44770-01	SC44770-02	L2116079-02 SC42329-07 SC44770-03	SC44770-04	L2116079-01 SC42329-05 SC44770-01	L2116079-02 SC42329-07 SC44770-03
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.134 J**	0.081 U	0.081 U	0.081 U	0.081 U	**0.081**	0.081 U	0.809 U	0.081 U	2.02 U	4.05 U	0.18 U	0.08 U	40.49 U	40.49 U	0.08 U	0.08 U	**0.231**	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.611 J**	0.079 U	0.079 U	0.079 U	**0.579**	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	3.97 U	0.87 U	0.4 U	39.65 UJ	39.65 UJ	0.4 U	0.4 U	**0.234**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.409**	**0.591**	**0.541**	**0.547**	**0.51**	**0.453**	**0.415**	1.26 U	**0.491**	**65.4**	**61.3**	**0.45 D**	**0.3**	62.9 UJ	**69.82 J**	**0.25**	**0.19**	**33.8**	**0.403**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**11.3**	**0.387**	**0.451**	**10.1**	**0.306**	**12.5**	0.107 U	**15.6**	**0.22**	**19.8**	**18.9**	**0.46 D**	**0.47**	53.74 UJ	53.74 UJ	**0.11**	**0.16**	**11.6**	0.107 U
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**7.26**	**0.949**	**0.982**	**7.47**	0.109 U	**7.58**	0.109 U	**7.91**	0.109 U	**2140 D**	**2490**	**3.16 DJ**	**1.85 J**	**1266**	**1991**	**2.46**	**2.46**	**889 D**	**0.169**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**60.4**	**1.09**	**1.26**	**48.4**	**0.264**	**63.4**	**0.237**	**69.8**	**0.502**	**616 D**	**576**	**0.48 D**	**0.32**	**438.06**	**646.93**	**0.27**	**0.68**	**119**	**0.264**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	**4.06**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	3.47 U	0.76 U	**0.33 J**	34.72 U	34.72 U	0.35 U	**0.56**	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	1.28 U	2.56 U	0.11 U	0.05 U	25.56 UJ	25.56 UJ	0.05 U	0.05 U	0.051 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	3.97 U	0.17 U	0.08 U	39.67 U	39.67 U	0.08 U	0.08 U	**0.095**	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**4.52**	**34.9**	**31.9**	**75.7**	**646**	**2.41**	**7.65**	**2.12**	**4.2**	1.98 U	3.97 U	0.87 U	0.4 U	39.65 UJ	39.65 UJ	0.4 U	0.4 U	0.079 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.636**	**7.51**	**7.89**	**0.588**	**1.64**	**0.406**	**0.696**	0.639 U	**0.444**	1.6 U	3.19 U	**7.27 D**	**4.85**	31.9 UJ	31.9 UJ	**5.9**	**6.6**	-	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**3.78**	**16.9**	**17.4**	**3.23**	**4.95**	**0.76**	**0.617**	0.869 U	**0.308**	**80.2**	**75**	**6.37 D**	**5.94**	43.35 UJ	43.35 UJ	**6.2**	**6.63**	-	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**13.5**	**50**	**52.1**	**13.2**	**19.3**	**2.76**	**2.38**	1.74 U	**1.15**	**468 D**	**384**	**27.8 D**	**23.6**	86.71 UJ	**77.17 J**	**27.66**	**28.44**	-	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**5.73**	**19**	**19.7**	**4.86**	**5.82**	**1.22**	**0.864**	0.869 U	**0.361**	**193**	**170**	**10.49 D**	**8.84**	43.35 UJ	43.35 UJ	**10.32**	**10.53**	-	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**5.43**	**40.3**	**42.2**	**4.33**	**8.78**	**2.05**	**2.83**	**1.16**	**2.39**	**5.95**	**6.85**	**30.8 D**	**31.5**	37.63 UJ	37.63 UJ	**37.18**	**33.3**	-	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	**19.2**	**69.1**	**71.7**	**18.1**	**25.1**	**3.98**	**3.24**	0.869 U	**1.51**	-	-	-	-	-	-	-	-	-	-

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CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR6A-SSV-1AS	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-IA-1AI	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-SSV-1AS	TR6A-IA-1AI	TR6A-SSV-2AS	TR6A-IA-2AI	TR7A-SSV-1AS	TR7A-IA-1AI	TR7A-SSV-1AS	TR7A-IA-1AI	TR7A-SSV-1AS	TR7A-IA-1AI	TR7A-SSV-1AS
Sample Date							12/08/2021	12/08/2021	12/08/2021	12/08/2021	12/20/2022	12/20/2022	01/09/2024	01/09/2024	12/10/2024	12/10/2024	12/08/2021	12/08/2021	12/08/2017	12/08/2017	03/08/2018	03/08/2018	04/02/2021	04/02/2021	12/07/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2167799-07	L2167799-08	L2167799-09	L2167799-10	L2271728-07	L2271728-08	L2402049-19	L2402049-20	L2473696-14	L2473696-15	L2167799-11	L2167799-12	L2116861-15 SC42337-07 SC44641-16	L2116861-16 SC42337-08 SC44641-17	L2116861-15 SC42337-07 SC44641-16	L2116861-16 SC42337-08 SC44641-17	L2116861-15 SC42337-07 SC44641-16	L2116861-16 SC42337-08 SC44641-17	L2167437-13
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.289 U	0.289 U	0.081 U	0.081 U	0.162 U	0.081 U	0.162 U	0.081 U	1.69 U	0.081 U	0.081 U	0.081 U	10.12 U	0.08 U	2.02 U	0.08 U	0.081 U	0.081 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.283 U	0.283 U	0.079 U	0.079 U	0.159 U	0.079 U	0.159 U	0.079 U	1.65 U	0.079 U	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**21.8**	**20.4**	**0.421**	**0.447**	**32**	**0.478**	**24.5**	**0.522**	**33.6**	**0.528**	**2.98**	**0.39**	15.73 U	**0.3**	3.15 U	**0.25**	**0.264**	**0.421**	**0.346**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**10.3**	**9.89**	0.107 U	**0.124**	**11.6**	**0.107**	**10.8**	**0.269**	**8.76**	0.107 U	**4.97**	0.107 U	**21**	**0.42**	2.69 U	**0.05 J**	**0.215**	0.107 U	**0.204**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**633**	**589**	0.109 U	0.109 U	**878**	0.109 U	**747**	0.109 U	**611**	0.109 U	**23.9**	0.109 U	**23.6**	0.55 U	**27.77**	0.55 U	**11.5**	0.109 U	**10.7**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**325**	**311**	**0.217**	**0.217**	**301**	**0.197**	**357**	**0.237**	**203**	**0.156**	**2.1**	**0.21**	16.95 U	**0.26**	**5.29 J-**	**0.07 J**	**0.448**	0.136 U	**0.448**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	6.18 U	6.18 U	1.74 U	1.74 U	3.47 U	1.74 U	3.47 U	1.74 U	3.61 U	1.74 U	**3.58**	1.74 U	8.68 U	**0.73**	1.74 U	**0.59**	1.74 U	1.74 U	**2.8**
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.183 U	0.183 U	0.051 U	0.051 U	0.102 U	0.051 U	0.102 U	0.051 U	1.07 U	0.051 U	**0.084**	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.107**	0.051 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.283 U	0.283 U	0.079 U	0.079 U	**0.206**	0.079 U	0.159 U	0.079 U	1.65 U	0.079 U	0.079 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.283 U	0.283 U	0.079 U	0.079 U	0.159 U	0.079 U	0.159 U	0.079 U	1.65 U	0.079 U	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	1.14 U	1.14 U	**0.39**	**0.412**	0.639 U	**0.345**	0.639 U	**0.486**	1.33 U	**0.741**	**4.22**	**0.351**	7.98 U	**0.54**	1.6 U	**0.38**	-	-	**0.406**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.39**	**1.29**	**2.25**	**2.08**	**1.36**	**0.864**	**0.669**	**0.808**	1.81 U	**0.76**	**3.57**	**0.986**	10.84 U	**1.34**	**1.83 J**	0.43 U	-	-	**2.05**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**5.13**	**4.65**	**9.12**	**8.3**	**5.3**	**3.39**	**2.89**	**3.1**	3.62 U	**3.19**	**14.3**	**4.07**	**23.2**	**5.03**	**5.46**	**1.17**	-	-	**6.99**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.44**	**2.31**	**3.92**	**3.62**	**2.26**	**1.38**	**1.02**	**1.29**	1.81 U	**1.23**	**6.17**	**1.72**	10.84 U	**2.39**	2.17 U	**0.74**	-	-	**2.7**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.42**	1.35 U	**2.47**	**2.25**	**2.33**	**0.663**	**1.46**	**0.822**	1.57 U	**1.06**	**9.91**	**0.946**	9.41 U	**1.35**	**1.99 J-**	**0.49 J**	-	-	**4.71**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**7.56**	**6.95**	**13**	**11.9**	**7.56**	**4.78**	**3.91**	**4.39**	1.81 U	**4.43**	**20.5**	**5.78**	-	-	-	-	-	-	**9.69**

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7A-IA-1AI	TR7A-SSV-1AS	TR7A-IA-1AI	TR7A-SSV-2AS	TR7A-IA-2AI	TR7A-SSV-2AS	TR7A-IA-2AI	TR7A-SSV-2AS	TR7A-IA-2AI	TR7A-SSV-2AS	TR7A-IA-2AI	TR7A-SSV-2AS	TR7A-IA-2AI	TR7-SSV-1AS	TR7-IA-1AI	TR7-SSV-1AS	TR7-IA-1AI	TR7-SSV-1AS	TR7-SSV-1AS
Sample Date							12/07/2021	12/19/2022	12/19/2022	12/08/2017	12/08/2017	03/08/2018	03/08/2018	04/02/2021	04/02/2021	12/07/2021	12/07/2021	12/19/2022	12/19/2022	12/08/2017	12/08/2017	03/08/2018	03/08/2018	04/02/2021	04/02/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate
Lab Sample ID							L2167437-14	L2271721-13	L2271721-14	L2116861-17 SC42337-09 SC44641-18	L2116861-18 SC42337-10 SC44641-19	L2116861-17 SC42337-09 SC44641-18	L2116861-18 SC42337-10 SC44641-19	L2116861-17 SC42337-09 SC44641-18	L2116861-18 SC42337-10 SC44641-19	L2167437-15	L2167437-16	L2271721-15	L2271721-16	L2116861-01 SC42337-01 SC44641-05	L2116861-03 SC42337-02 SC44641-06	L2116861-01 SC42337-01 SC44641-05	L2116861-03 SC42337-02 SC44641-06	L2116861-01 SC42337-01 SC44641-05	L2116861-02
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	0.081 U	0.081 U	10.12 U	0.08 U	2.02 U	0.08 U	0.081 U	0.081 U	**0.101**	0.081 U	**2.23**	0.081 U	**8.99**	0.08 UJ	**19.72**	**0.04 J**	**3.14**	**3.99**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	**0.079**	0.079 U	**0.115**	0.079 U	**4.48**	0.079 U	**22.84**	0.4 UJ	**44.81**	0.4 U	**1.19**	**1.53**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.535**	**0.189**	**0.484**	15.73 U	**0.31**	3.15 U	**0.25**	**0.453**	**0.465**	**0.528**	**0.56**	**0.522**	**0.453**	15.73 U	**0.29 J**	3.15 U	**0.31**	**0.465**	**0.51**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**0.204**	0.107 U	**100**	0.11 U	**182.72 J**	**0.05 J**	**8.92**	0.107 U	**25.3**	0.107 U	**50.7**	0.107 U	**105 J-**	**0.22 J**	**242.92 J**	**0.27**	**14.3**	**18.6**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**17.8**	0.109 U	**74.2**	0.55 U	**45.78**	0.55 U	**12.1**	0.109 U	**21.2**	0.109 U	**87.3**	0.109 U	**21.3**	0.55 UJ	**16.2**	0.55 U	**6.87**	**8.73**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	**0.522**	0.136 U	16.95 U	**0.07 J**	**6.05**	**0.14**	**0.319**	0.136 U	**0.793**	0.136 U	**1.5**	0.136 U	16.95 U	**0.09 J**	**8.27**	**0.07 J**	**0.834**	**1.04**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	8.68 U	**3.85**	1.74 U	0.35 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**1.61 J**	1.74 U	**0.66**	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.059**	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	6.39 U	0.05 UJ	1.28 U	0.05 U	**0.079**	**0.079**
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	9.92 U	0.08 UJ	1.98 U	0.08 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	**0.329**	0.079 U	9.91 U	0.4 UJ	1.98 U	0.4 U	0.079 U	**0.083**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.319 U	0.319 U	**0.399**	7.98 U	**0.71**	1.6 U	**0.57**	-	-	**0.335**	0.319 U	**0.332**	**0.403**	**7.91**	**0.74 J**	1.6 U	**0.8**	-	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.122**	**1.84**	**0.139**	**51.6**	0.43 U	**20.07**	0.43 U	-	-	**2.35**	**0.13**	**1.25**	**0.182**	10.84 U	**1.45 J**	**10.06**	**0.43**	-	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**0.4**	**5.82**	**0.4**	**156**	0.87 U	**59.83**	0.87 U	-	-	**10.8**	**0.421**	**5.13**	**0.573**	**22.7**	**4.19 J**	**32**	**1.6**	-	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.169**	**2.42**	**0.182**	**24.2**	0.43 U	**10.67**	**0.26 J**	-	-	**3.82**	**0.187**	**2.18**	**0.278**	**15.43**	**1.54 J**	**31.65**	**0.87**	-	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.52**	**2.59**	**0.614**	**9.14 J**	**0.71**	**3.17**	0.38 UJ	-	-	**4.79**	**0.49**	**2.63**	**0.886**	**19.4 J-**	**2.42 J**	**53.06**	**1.47**	-	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	**0.569**	**8.25**	**0.582**	-	-	-	-	-	-	**14.6**	**0.608**	**7.3**	**0.851**	-	-	-	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7-IA-1AI	TR7-IA-1AI	TR7-SSV-1AS	TR7-IA-1AI	TR7-SSV-1AS	TR7-IA-1AI	TR7-SSV-1AS	TR7-SSV-1AS	TR7-IA-1AI	TR7-IA-1AI	TR7-SSV-1AS	TR7-SSV-1AS	TR7-IA-1AI	TR7-IA-1AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-2AS
Sample Date							04/02/2021	04/02/2021	12/07/2021	12/07/2021	12/19/2022	12/19/2022	01/08/2024	01/08/2024	01/08/2024	01/08/2024	12/10/2024	12/10/2024	12/10/2024	12/10/2024	12/08/2017	12/08/2017	03/08/2018	03/08/2018	04/02/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2116861-03 SC42337-02 SC44641-06	L2116861-04	L2167437-01	L2167437-02	L2271721-01	L2271721-02	L2402049-11	L2402049-14	L2402049-12	L2402049-15	L2473696-01	L2473696-18	L2473696-02	L2473696-19	L2116861-05 SC42337-05 SC44641-07	L2116861-06 SC42337-06 SC44641-08	L2116861-05 SC42337-05 SC44641-07	L2116861-06 SC42337-06 SC44641-08	L2116861-05 SC42337-05 SC44641-07
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.081**	**0.081**	**0.793**	**0.13**	**14.2**	**0.109**	**4.86**	**5.63**	0.081 U	0.081 U	**2.23 J**	**0.923 J**	0.081 U	0.081 U	10.12 U	**0.03 J**	**1.66 J-**	0.08 U	**1.27**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	**0.404**	**0.21**	**21.6**	**0.289**	**3.28**	**3.17**	**0.091**	**0.087**	**1.89 J**	**1.13 J**	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	**0.127**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.465**	**0.472**	**0.648**	**0.541**	**0.616**	**0.528**	**0.61**	**0.554**	**0.522**	**0.491**	1.26 U	1.26 U	**0.497**	**0.535**	15.73 U	**0.16**	3.15 U	**0.25**	**0.843**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.242**	**0.226**	**10**	**0.473**	**45.1**	**0.623**	**18.2**	**16.7**	**0.199**	**0.183**	**18.1 J**	**6.45 J**	0.107 U	0.107 U	**20.4 J-**	**0.22**	**14.51 J-**	**0.16**	**12.1**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	0.109 U	**4.91**	0.109 U	**12.5**	0.109 U	**6.82**	**6.33**	0.109 U	0.109 U	**5.67 J**	**2.41 J**	0.109 U	0.109 U	**27**	0.55 U	**20.13 J-**	0.55 U	**14.3**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	**0.149**	**0.895**	0.136 U	**1.34**	0.136 U	**0.976**	**1.01**	**0.231**	**0.325**	1.36 U	1.36 U	0.136 U	0.136 U	16.95 U	**0.1 J**	**3.12 J-**	0.14 U	**2.03**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**2.13**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.47**	1.74 U	**0.52**	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.511 U	0.051 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.141**
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	**0.079**
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	**0.63**	0.079 U	**0.206**	**0.198**	0.079 U	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**2.74**	0.319 U	**2.38**	**0.431**	**1.2**	**1.35**	**0.818**	**0.837**	**1.57**	**1.1**	**0.712**	**0.719**	7.98 U	**0.88**	1.6 U	**0.61**	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**5.82**	**0.139**	**4.07**	**0.161**	**2.01**	**2.12**	**1.14**	**1.28**	0.869 U	0.869 U	**0.339**	**0.356**	**1220 D**	**0.59**	**494.23 D**	0.43 U	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	-	-	**21.2**	**0.417**	**12.9**	**0.491**	**6.82**	**6.56**	**3.08**	**3.84**	**2.86 J**	**1.88 J**	**1.16**	**1.2**	**6330 D**	**2.34**	**2150.35 D**	**1.13**	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**12**	**0.182**	**7.91**	**0.243**	**5.26**	**4.91**	**1.11**	**1.38**	**1.74 J**	**0.995 J**	**0.343**	**0.378**	**3050 D**	**1.01**	**1088.18 D**	**0.39 J**	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	-	-	**16**	**0.482**	**7.99**	**0.584**	**5.62**	**5.39**	**3.47**	**4.3**	**2.87**	**2.08**	**0.878**	**0.923**	**17.2 J-**	**1.77**	**18.59 J-**	**1.09**	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	**33.2**	**0.599**	**20.8**	**0.734**	**12.1**	**11.5**	**4.18**	**5.21**	**4.6 J**	**2.87 J**	**1.5**	**1.58**	-	-	-	-	-

Notes and Abbreviations:
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NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7-IA-2AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-2AS	TR7-IA-2AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI
Sample Date							04/02/2021	12/07/2021	12/07/2021	12/19/2022	12/19/2022	01/08/2024	01/08/2024	12/10/2024	12/10/2024	12/08/2017	12/08/2017	03/08/2018	03/08/2018	01/15/2019	01/15/2019	04/02/2021	04/02/2021	12/07/2021	12/07/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2116861-06 SC42337-06 SC44641-08	L2167437-05	L2167437-06	L2271721-03	L2271721-04	L2402049-01	L2402049-02	L2473696-11	L2473696-12	1901332-05B L2116861-07 SC42337-03 SC44641-14	1901332-06B L2116861-08 SC42337-04 SC44641-15	1901332-05B L2116861-07 SC42337-03 SC44641-14	1901332-06B L2116861-08 SC42337-04 SC44641-15	1901332-05B L2116861-07 SC42337-03 SC44641-14	1901332-06B L2116861-08 SC42337-04 SC44641-15	1901332-05B L2116861-07 SC42337-03 SC44641-14	1901332-06B L2116861-08 SC42337-04 SC44641-15	L2167437-11	L2167437-12
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	**0.664**	**0.089**	**0.935**	**0.101**	**1.95**	0.081 U	**7**	0.081 U	10.12 U	0.08 U	2.02 U	0.08 U	**0.34**	**0.036 J**	**1.31**	0.081 U	**0.089**	**0.097**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	**0.123**	0.079 U	**0.246**	0.079 U	**0.099**	0.793 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	**0.48**	**0.16**	**0.476**	0.079 U	**0.115**	**0.17**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.44**	**0.887**	**0.579**	**0.692**	**0.497**	**1.09**	**0.478**	**1.26**	**0.522**	15.73 U	**0.23**	3.15 U	**0.19**	**0.31**	**0.41**	**0.495**	**0.421**	**0.648**	**0.522**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.231**	**8.76**	**0.29**	**9.24**	**0.591**	**12.1**	**0.14**	**19**	0.107 U	**25.2 J-**	**2.08**	**13.11 J-**	**2.53**	**80**	**1.1**	**9.19**	**0.247**	**2.29**	**0.339**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**14.8**	0.109 U	**15.6**	0.109 U	**22.7**	0.109 U	**22.7**	0.109 U	13.64 U	0.55 U	**1.52 J**	0.55 U	**1.3**	**0.034 J**	**2.09**	0.109 U	**0.502**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	**0.583**	0.136 U	**0.495**	0.136 U	**0.895**	**0.278**	1.36 U	0.136 U	16.95 U	**0.09 J**	3.39 U	**0.2**	**0.42**	**0.097 J**	**0.498**	0.136 U	**0.183**	0.136 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.43**	1.74 U	**0.59**	2.4 U	1.1 U	1.85 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.53**	**0.024 J**	**0.139**	0.051 U	0.051 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	**0.1**	0.065 U	0.085 U	0.079 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.67 U	0.65 U	0.085 U	0.079 U	0.079 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**0.78**	0.319 U	**0.802**	**0.415**	**0.741**	**0.696**	**1.01**	**0.693**	7.98 U	**0.94**	1.6 U	**0.54**	**3**	**2.5**	-	-	**0.559**	0.319 U
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**73**	**0.113**	**98.2**	**0.169**	**140**	**0.378**	**77.3**	**0.326**	10.84 U	**0.68**	2.17 U	0.43 U	**2.2**	**1.5**	-	-	**3.03**	**0.104**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	-	**230**	**0.321**	**270**	**0.521**	**374**	**1.05**	**187**	**1.04**	**31.1**	**2.53**	**7.98**	0.87 U	**11**	**5.7**	-	-	**11.8**	**0.308**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**140**	**0.13**	**200**	**0.269**	**240**	**0.421**	**138**	**0.295**	**11.8**	**1.08**	**3.5**	**0.3 J**	**4.5**	**1.9**	-	-	**4.73**	**0.139**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	-	**10.3**	**0.494**	**4.79**	**1.21**	**3.77**	**1.07**	**2.65**	**1.05**	**24.6 J-**	**2.21**	**4.4 J-**	**1.09 J**	**9.8**	**9.9**	-	-	**7.31**	**0.418**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	**370**	**0.452**	**469**	**0.791**	**599**	**1.47**	**324**	**1.33**	-	-	-	-	-	-	-	-	**16.6**	**0.447**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-3AS	TR7-IA-3AI	TR7-SSV-4AS	TR7-SSV-4AS	TR7-IA-4AI	TR7-IA-4AI	TR7-SSV-4AS	TR7-IA-4AI	TR7-SSV-4AS	TR7-SSV-4AS	TR7-IA-4AI	TR7-IA-4AI	TR7-SSV-4AS
Sample Date							12/19/2022	12/19/2022	01/08/2024	01/08/2024	12/10/2024	12/10/2024	03/08/2018	03/08/2018	03/08/2018	03/08/2018	04/02/2021	04/02/2021	12/07/2021	12/07/2021	12/19/2022	12/19/2022	12/19/2022	01/08/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample
Lab Sample ID							L2271721-05	L2271721-06	L2402049-07	L2402049-08	L2473696-05	L2473696-06	L2116861-09 SC44641-01	SC44641-02	L2116861-10 SC44641-03	SC44641-04	L2116861-09 SC44641-01	L2116861-10 SC44641-03	L2167437-03	L2167437-04	L2271721-07	L2271721-18	L2271721-08	L2271721-19	L2402049-09
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.194**	**0.093**	**1**	**0.081**	0.809 U	0.081 U	**25.63**	2.02 U	**0.04 J**	0.08 U	**11.9**	**0.089**	**14.1**	**0.117**	**17.4**	**18.7**	**0.117**	**0.146**	**21.8**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.238**	**0.206**	**0.69**	**0.123**	0.793 U	0.079 U	**70.58**	1.98 U	0.4 U	0.4 U	**8.76**	**0.083**	**14.5**	**0.178**	**47.6**	**52.7**	**0.293**	**0.341**	**48.4**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.535**	**0.453**	**0.547**	**0.491**	1.26 U	**0.522**	3.15 U	3.15 U	**0.31**	**0.31**	**0.491**	**0.447**	**0.654**	**0.516**	**0.579**	**0.522**	**0.472**	**0.428**	**0.541**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**4.11**	**0.473**	**9.03**	**0.161**	**6.02**	0.107 U	**180.04 J**	2.69 UJ	**0.32**	**0.38**	**52**	**0.296**	**40.9**	**0.425**	**81.7**	**91.9**	**0.666**	**0.779**	**76.3**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.747**	0.109 U	**2.1**	0.109 U	**1.11**	0.109 U	**7.42**	2.73 U	0.55 U	0.55 U	**4.45**	0.109 U	**5.78**	0.109 U	**6.06**	**6.06**	0.109 U	0.109 U	**6.11**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.427**	0.136 U	**0.468**	**0.237**	1.36 U	0.136 U	**6.58**	3.39 U	**0.07 J**	**0.14**	**1.79**	0.136 U	**1.26**	0.136 U	**1.7**	**2**	0.136 U	0.136 U	**1.38**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**0.66 J**	**2.19 J**	1.74 U	1.74 U	**2.16**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	**1.1 J**	1.28 U	0.05 U	0.05 U	**0.291**	0.051 U	**0.565**	0.051 U	**0.629**	**0.772**	0.051 U	0.051 U	**0.35**
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	1.98 U	0.08 U	0.08 U	**0.496**	0.079 U	**0.472**	0.079 U	**0.678**	**0.722**	0.079 U	0.079 U	**0.305**
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	**1.63 J**	1.98 U	0.4 U	0.4 U	**0.337**	0.079 U	**0.285**	0.079 U	**0.936**	**1.05**	0.079 U	0.079 U	**1.05**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.441**	**0.412**	**0.351**	**0.722**	0.639 U	**0.7**	1.6 U	1.6 U	**0.7**	**0.77**	-	-	**0.85**	0.319 U	**0.428**	**0.419**	**0.428**	**0.47**	**0.476**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.02**	**0.165**	**0.938**	**0.369**	0.869 U	**0.308**	**5.51**	2.17 U	**0.39 J**	**0.43**	-	-	**5.43**	**0.1**	**2.19**	**2.86**	**0.161 J**	**1.31 J**	**1.7**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**8.08**	**0.521**	**3.47**	**1.06**	1.74 U	**1.03**	**15.17**	4.34 U	**1.47**	**1.86**	-	-	**20.8**	**0.317**	**8.82**	**10.7**	**0.482 J**	**0.699 J**	**7.04**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**3.58**	**0.256**	**1.84**	**0.408**	**1.14**	**0.308**	**8.41**	2.17 U	**0.78**	**1**	-	-	**10.7**	**0.13**	**6.52**	**7.17**	**0.235**	**0.308**	**3.97**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**3.99**	**0.584**	**3.49**	**1.18**	**1.08**	**0.874**	**11.18**	1.88 U	**1.39**	**1.77**	-	-	**10.6**	**0.445**	**3.13**	**3.63**	**0.584**	**0.757**	**3.99**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**11.7**	**0.777**	**5.3**	**1.47**	**1.14**	**1.34**	-	-	-	-	-	-	**31.6**	**0.447**	**15.3**	**17.9**	**0.717**	**1.01**	**11**

Notes and Abbreviations:
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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7-IA-4AI	TR7-SSV-4AS	TR7-IA-4AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-5AS	TR7-IA-5AI	TR7-SSV-6AS	TR7-IA-6AI	TR7-SSV-6AS	TR7-IA-6AI
Sample Date							01/08/2024	12/10/2024	12/10/2024	03/08/2018	03/08/2018	04/02/2021	04/02/2021	12/07/2021	12/07/2021	12/19/2022	12/19/2022	01/08/2024	01/08/2024	12/10/2024	12/10/2024	03/08/2018	03/08/2018	04/02/2021	04/02/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2402049-10	L2473696-03	L2473696-04	L2116861-11 SC44641-09	L2116861-12 SC44641-10	L2116861-11 SC44641-09	L2116861-12 SC44641-10	L2167437-09	L2167437-10	L2271721-09	L2271721-10	L2402049-05	L2402049-06	L2473696-07	L2473696-08	L2116861-13 SC44641-12	L2116861-14 SC44641-13	L2116861-13 SC44641-12	L2116861-14 SC44641-13
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	**16**	0.081 U	2.02 U	0.08 U	**0.274**	0.081 U	**0.093**	**0.093**	**0.182**	**0.093**	**0.437**	0.081 U	0.809 U	0.081 U	2.02 U	0.08 U	**0.232**	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.111**	**17.7**	0.079 U	1.98 U	0.4 U	**0.288**	0.079 U	0.079 U	**0.167**	**0.17**	**0.242**	**0.285**	**0.087**	0.793 U	0.079 U	1.98 U	0.4 U	**0.093**	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.472**	1.26 U	**0.535**	3.15 U	**0.25**	**0.509**	**0.453**	**0.679**	**0.566**	**0.547**	**0.453**	**0.579**	**0.44**	1.26 U	**0.528**	3.15 U	**0.19**	**0.944**	**0.415**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.177**	**39.6**	0.107 U	**10.1 J**	**0.38**	**8.55**	**0.258**	**2.13**	**0.408**	**3.44**	**0.527**	**5.48**	**0.145**	**3.04**	0.107 U	**52.13 J**	**0.32**	**12.2**	**0.274**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	**8.35**	0.109 U	**4.46**	0.55 U	**4.03**	0.109 U	**2.51**	0.109 U	**2.52**	0.109 U	**5.73**	0.109 U	**3.51**	0.109 U	**6.87**	0.55 U	**4.1**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.251**	1.36 U	0.136 U	**114.6**	**0.41**	**0.395**	0.136 U	**0.292**	0.136 U	**0.346**	0.136 U	**0.522**	**0.21**	1.36 U	0.136 U	**4.31**	**0.07 J**	**0.289**	0.136 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	0.35 U	2.07 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**34.65**	1.85 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	1.28 U	0.05 U	**0.116**	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	1.28 U	0.05 U	**0.093**	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	1.98 U	0.08 U	0.094 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	0.08 U	0.085 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	1.98 U	0.4 U	0.094 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	0.4 U	0.085 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.754**	**0.661**	**0.69**	1.6 U	**0.77**	-	-	**0.815**	0.319 U	**0.383**	**0.383**	0.319 U	**0.649**	0.639 U	**0.706**	1.6 U	**1.02**	-	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.543**	**0.96**	**0.317**	2.17 U	0.43 U	-	-	**5.34**	**0.1**	**1.98**	**0.143**	**0.652**	**0.352**	0.869 U	**0.313**	**17.12**	**1.52**	-	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**1.16**	**3.68**	**1.09**	**7.59**	**1.17**	-	-	**20.9**	**0.3**	**8.47**	**0.443**	**2.91**	**0.969**	**2.95**	**1.06**	**70.67**	**6.85**	-	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.465**	**2.13**	**0.326**	**2.81**	**0.52**	-	-	**8.38**	**0.126**	**3.55**	**0.213**	**1.09**	**0.387**	**1**	**0.308**	**28.27**	**1.91**	-	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.16**	**2.41**	**0.916**	**5.31**	**1.09**	-	-	**13**	**0.441**	**3.81**	**0.569**	**2.31**	**1.08**	**1.25**	**0.886**	**42.52**	**9.03**	-	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	**1.62**	**5.82**	**1.42**	-	-	-	-	**29.3**	**0.426**	**12**	**0.656**	**3.99**	**1.36**	**3.95**	**1.37**	-	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR7-SSV-6AS	TR7-IA-6AI	TR7-SSV-6AS	TR7-IA-6AI	TR7-SSV-6AS	TR7-IA-6AI	TR7-SSV-6AS	TR7-IA-6AI	TR12-SSV-1AS	TR12-IA-1AI	TR12-SSV-1AS	TR12-IA-1AI	TR12-SSV-1AS	TR12-IA-1AI	TR12-SSV-1AS	TR12-IA-1AI	TR12-SSV-1AS
Sample Date							12/07/2021	12/07/2021	12/19/2022	12/19/2022	01/08/2024	01/08/2024	12/10/2024	12/10/2024	12/11/2017	12/11/2017	03/13/2018	03/13/2018	03/30/2021	03/30/2021	12/09/2021	12/09/2021	12/20/2022	12/20/2022	01/09/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2167437-07	L2167437-08	L2271721-11	L2271721-12	L2402049-03	L2402049-04	L2473696-09	L2473696-10	L2116079-04 SC42329-13 SC44770-07	L2116079-05 SC42329-14 SC44770-08	L2116079-04 SC42329-13 SC44770-07	L2116079-05 SC42329-14 SC44770-08	L2116079-04 SC42329-13 SC44770-07	L2116079-05 SC42329-14 SC44770-08	L2168305-01	L2168305-02	L2271728-10	L2271728-11	L2402049-16
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.154**	**0.097**	**0.138**	**0.097**	**0.494**	**0.113**	0.809 U	0.081 U	**22.4**	0.08 U	**18.5**	0.08 U	**4.45**	0.081 U	**8.62**	0.081 U	**8.94**	**0.089**	**8.74**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	**0.163**	**0.103**	**0.234**	0.079 U	**0.226**	0.793 U	0.079 U	**126**	**0.34 J**	**85.25 J**	**0.66 J+**	**37.9**	**0.583**	**30.9**	**0.25**	**31.1**	**0.519**	**24.3**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**1.01**	**0.629**	**0.761**	**0.535**	**1.03**	**0.472**	**1.32**	**0.522**	15.73 U	**0.24**	3.15 UJ	**0.25**	**0.805**	**0.403**	**0.761**	**0.598**	**0.906**	**0.541**	**0.912**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**8.71**	**0.382**	**5.64**	**0.693**	**14.8**	**0.634**	**10.5**	0.107 U	**790**	**0.4**	**580.42 D**	**0.5**	**171**	**0.505**	**218**	**0.371**	**181**	**0.661**	**228**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**2.85**	0.109 U	**1.74**	0.109 U	**8.35**	0.109 U	**8.62**	0.109 U	**15.4**	**0.5 J**	**15.82**	**4.58 J+**	**7.37**	**0.464**	**6.77**	**7.2**	**8.89**	**1.04**	**5.62**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.325**	0.136 U	**0.163**	0.136 U	**0.617**	**0.237**	1.36 U	0.136 U	**12.5 J**	0.14 U	**14.04**	**0.33**	**4.88**	**0.264**	**11.2**	**0.583**	**8.34**	**0.21**	**10**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	**2.4**	1.74 U	1.74 U	1.74 U	8.68 U	**0.61**	1.74 U	0.35 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	**0.03 J**	1.28 UJ	0.05 U	0.051 U	**0.051**	0.051 U	0.051 U	0.051 U	**0.087**	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 UJ	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.91 U	0.4 U	**2 J**	-	**0.622**	0.079 U	**0.626**	0.079 U	**0.781**	0.079 U	**0.603**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.684**	0.319 U	**0.658**	**0.415**	**0.636**	**0.735**	**0.754**	**0.693**	7.98 U	**1.13**	**1.63 J**	**1.15 J+**	-	-	**0.607**	**1.35**	**0.719**	**2.88**	**0.438**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**5.6**	**0.091**	**2.69**	**0.226**	**5.04**	**0.374**	**2.36**	**0.326**	10.84 U	**2.58**	**14.57 J**	**0.44 J**	-	-	**5.34**	**1.51**	**2.58**	**2.08**	**2.17**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**21.7**	**0.278**	**10.7**	**0.743**	**21.7**	**1.08**	**9.9**	**1.08**	**43.8**	**6.94**	**80.64 J**	**1.48 J**	-	-	**26.5**	**5.69**	**10.9**	**7.99**	**12.6**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**9.64**	**0.122**	**4.86**	**0.347**	**10.5**	**0.434**	**4.86**	**0.313**	**27.9**	**2.45**	**60.7 J**	**0.58**	-	-	**18**	**1.93**	**5.78**	**2.78**	**5.56**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**9.57**	**0.513**	**5.8**	**0.886**	**8.93**	**1.14**	**4.82**	**0.852**	9.41 U	**6.28**	**5.04 J**	**3.91**	-	-	**5.8**	**11.3**	**5.35**	**15**	**8.71**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**31.4**	**0.4**	**15.6**	**1.09**	**32.2**	**1.51**	**14.8**	**1.39**	-	-	-	-	-	-	**44.3**	**7.64**	**16.7**	**10.8**	**18.1**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR12-IA-1AI	TR12-SSV-1AS	TR12-IA-1AI	TR12-IA-2	TR12-IA-3	TR19-SSV-1AS	TR19-IA-1AI	TR19-SSV-1AS	TR19-IA-1AI	TR19-IA-1AI	TR19-SSV-1AS	TR19-IA-1AI	TR19-SSV-2AS	TR19-IA-2AI	TR19-SSV-2AS	TR19-IA-2AI	TR19-SSV-2AS	TR19-IA-2AI	TR19-SSV-2AS
Sample Date							01/09/2024	12/10/2024	12/10/2024	12/09/2021	12/09/2021	12/05/2017	12/05/2017	03/07/2018	03/07/2018	03/31/2021	12/17/2021	12/17/2021	12/05/2017	12/05/2017	03/07/2018	03/07/2018	01/16/2019	01/16/2019	03/31/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2402049-17	L2473696-16	L2473696-17	L2168305-03	L2168305-04	SC42209-01 SC44597-01	L2116379-15 SC42209-02 SC44597-02	SC42209-01 SC44597-01	L2116379-15 SC42209-02 SC44597-02	L2116379-15 SC42209-02 SC44597-02	L2169938-01	L2169938-02	1901335-01B L2116379-03 SC42209-03 SC44597-03	1901335-02B L2116379-04 SC42209-04 SC44597-04	1901335-01B L2116379-03 SC42209-03 SC44597-03	1901335-02B L2116379-04 SC42209-04 SC44597-04	1901335-01B L2116379-03 SC42209-03 SC44597-03	1901335-02B L2116379-04 SC42209-04 SC44597-04	1901335-01B L2116379-03 SC42209-03 SC44597-03
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	7.89 U	0.081 U	0.081 U	0.081 U	10.12 U	0.08 U	2.02 U	0.08 U	0.081 U	0.081 U	0.081 U	21.26 U	0.08 U	2.02 U	0.08 U	**0.16 J**	0.12 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.214**	**38.9**	**0.325**	**0.27**	0.079 U	9.91 U	0.4 U	1.98 U	0.4 UJ	0.079 U	0.079 U	0.079 U	20.82 U	0.4 U	1.98 U	0.4 UJ	1.2 U	0.12 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.528**	12.3 U	**0.623**	**0.535**	**0.516**	15.73 U	**0.27**	3.15 U	**0.19**	**0.359**	**0.214**	**0.623**	33.02 U	**0.26**	3.15 U	**0.25**	2 U	**0.41**	**0.208**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.242**	**159**	**0.64**	**0.376**	0.107 U	13.44 U	0.11 U	**2.42 J-**	0.11 U	0.107 U	**6.34**	0.107 U	28.21 U	**1.54**	**2.42 J**	**0.16**	**0.79 J**	**0.08 J**	**0.339**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.682**	10.6 U	**0.677**	**0.573**	**0.218**	**8.78 J**	0.55 U	**9.33**	0.55 U	0.109 U	**4.2**	0.109 U	28.64 U	0.55 U	2.73 U	0.55 U	**0.27 J**	**0.024 J**	**0.207**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.136 U	13.2 U	**0.563**	**0.353**	**0.509**	16.95 U	0.14 U	3.39 U	0.54 U	**0.814**	**0.8**	**0.278**	35.6 U	**0.25**	**2.37 J**	**0.61**	**1.4 J**	**0.7**	**1.4**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	17 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.47**	1.74 U	**3.19**	1.74 U	1.74 U	1.74 U	18.23 U	**0.42**	**2.19**	**0.87**	11 U	1.1 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	4.98 U	**0.09**	0.051 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	0.051 U	**0.072**	0.051 U	13.42 U	0.05 U	1.28 U	0.05 U	**0.68 J**	0.079 U	**0.125**
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	7.73 U	0.079 U	0.079 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U	20.83 U	0.08 U	1.98 U	0.08 U	0.63 U	0.061 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	7.73 U	**0.095**	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U	20.82 U	0.4 U	1.98 U	0.4 U	6.3 U	**0.053 J**	**0.151**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.51**	6.23 U	**0.866**	**1.06**	**0.99**	7.98 U	**0.53**	1.6 U	**0.7**	-	**0.498**	**0.524**	16.75 U	**1.23**	1.6 U	**1.85**	**2.9**	**2**	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.01**	8.47 U	**0.556**	**1.27**	**0.721**	10.84 U	**0.42 J**	2.17 U	0.43 U	-	**4.18**	**0.547**	22.76 U	**1.05**	2.17 U	**1.34**	**3.8**	**2.4**	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**3.66**	16.9 U	**1.74**	**4.78**	**2.36**	21.68 U	**0.95**	4.34 U	**1.04 J**	-	**19.5**	**2.34**	45.52 U	**4.64**	**6.33**	**6.03 J**	**16**	**8.7**	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.19**	8.47 U	**0.56**	**1.61**	**0.843**	10.84 U	**0.33 J**	2.17 U	**0.56**	-	**7.12**	**0.869**	22.76 U	**2.15**	**4.12**	**2.82**	**6.7**	**3.3**	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**7.08**	7.35 U	**2.58**	**12.4**	**4.97**	9.41 U	**0.99**	**2.14 J-**	**1.17 J**	-	**5.2**	**1.1**	19.75 U	**3.36**	**1.77 J**	**4.33 J**	**13**	**20**	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	**4.86**	8.47 U	**2.3**	**6.39**	**3.21**	-	-	-	-	-	**26.6**	**3.21**	-	-	-	-	-	-	-

Notes and Abbreviations:
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NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR19-IA-2AI	TR19-SSV-2AS	TR19-IA-2AI	TR19-SSV-3AS	TR19-SSV-3AS	TR19-IA-3AI	TR19-IA-3AI	TR19-SSV-3AS	TR19-IA-3AI	TR19-SSV-3AS	TR19-IA-3AI	TR19-SSV-3AS	TR19-IA-3AI	TR19-SSV-4AS	TR19-IA-4AI	TR19-SSV-4AS	TR19-IA-4AI	TR19-SSV-4AS	TR19-IA-4AI
Sample Date							03/31/2021	12/17/2021	12/17/2021	12/05/2017	12/05/2017	12/05/2017	12/05/2017	03/07/2018	03/07/2018	03/31/2021	03/31/2021	12/17/2021	12/17/2021	12/05/2017	12/05/2017	03/07/2018	03/07/2018	01/16/2019	01/16/2019
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
							1901335-02B													1901335-03B	1901335-04B	1901335-03B	1901335-04B	1901335-03B	1901335-04B
							L2116379-04			L2116379-11		L2116379-12		L2116379-11	L2116379-12	L2116379-11	L2116379-12			L2116379-09	L2116379-10	L2116379-09	L2116379-10	L2116379-09	L2116379-10
Lab Sample ID							SC42209-04			SC42209-05		SC42209-07		SC42209-05	SC42209-07	SC42209-05	SC42209-07			SC42209-09	SC42209-10	SC42209-09	SC42209-10	SC42209-09	SC42209-10
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	SC44597-04 Indoor Air	L2169938-05 Subslab Vapor	L2169938-06 Indoor Air	SC44597-07 Subslab Vapor	SC42209-06 Subslab Vapor	SC44597-08 Indoor Air	SC42209-08 Indoor Air	SC44597-07 Subslab Vapor	SC44597-08 Indoor Air	SC44597-07 Subslab Vapor	SC44597-08 Indoor Air	L2169938-13 Subslab Vapor	L2169938-14 Indoor Air	SC44597-11 Subslab Vapor	SC44597-12 Indoor Air	SC44597-11 Subslab Vapor	SC44597-12 Indoor Air	SC44597-11 Subslab Vapor	SC44597-12 Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	0.081 U	0.081 U	10.12 U	10.12 U	0.08 U	0.14 U	2.02 U	0.08 U	0.081 U	0.081 U	0.081 U	0.081 U	10.12 U	0.08 U	2.02 U	0.08 U	**0.13 J**	0.12 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	0.079 U	9.91 U	9.91 U	0.4 U	0.69 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	**274**	0.4 U	**463.93 D**	0.4 U	**100**	0.12 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.377**	0.126 U	**0.604**	15.73 U	15.73 U	**0.15 J**	**0.28 J**	3.15 U	**0.19**	**0.27**	**0.415**	**0.377**	**0.579**	15.73 U	**0.29**	3.15 U	**0.25**	1 U	**0.41**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	**0.306**	0.107 U	**25.96**	**26.12**	0.11 U	0.19 U	**69.33 J**	0.11 U	**18.3**	0.107 U	**15.3**	0.107 U	**221.42**	0.11 U	**254.2 DJ**	**0.05 J**	**110**	**0.047 J**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	0.109 U	0.109 U	13.64 U	13.64 U	0.55 U	0.95 U	**2.73**	0.55 U	**1.12**	0.109 U	**1.08**	0.109 U	13.64 U	0.55 U	2.73 U	0.55 U	**0.2 J**	0.16 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**2.05**	**1.14**	**0.149**	16.95 U	16.95 U	0.14 U	**0.49**	**10.65**	**0.14**	**0.658**	**0.258**	**0.407**	0.136 U	**23.46**	0.14 U	**48.15**	**0.07 J**	**17**	**0.099 J**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	8.68 U	8.68 U	**0.48 J**	**1.53 J**	**1.7 J**	**0.44**	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.32 J**	1.74 U	**0.59**	5.7 U	1 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	6.39 U	6.39 U	0.05 U	0.09 U	1.28 U	0.05 U	**0.11**	0.051 U	0.051 U	0.051 U	**6.21 J**	0.05 U	**11.43**	0.05 U	**3.7**	0.077 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	9.92 U	9.92 U	0.08 U	0.14 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	9.92 U	0.08 U	**2.14**	0.08 U	**0.55 J**	0.059 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**0.079**	0.079 U	0.079 U	9.91 U	9.91 U	0.4 U	0.69 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	**44.01**	0.4 U	**93.58**	0.4 U	**24**	0.59 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**0.39**	**0.843**	7.98 U	7.98 U	**0.36**	**0.43 J**	**37.01**	**0.62**	-	-	0.319 U	**0.399**	7.98 U	**1.21**	1.6 U	**2.04**	**1.7**	**1.8**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**4.33**	**2.52**	**10.1 J**	**11.97**	**1.66 J**	0.76 UJ	**11.49 J-**	0.43 U	-	-	**4.24**	**0.326**	**114.02**	**0.62**	**5.42**	**1.78**	**12**	**1.4**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	-	**16**	**9.9**	**76.74**	**71.97**	**4.81 J**	1.52 UJ	**52.02 J-**	0.87 U	-	-	**14.9**	**1.22**	**780.37**	**2.36**	**36.72**	**8.76**	**80**	**5.5**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**6.82**	**3.7**	**17.51**	**18.34**	**2.05 J**	0.76 UJ	**15.17 J-**	0.43 UJ	-	-	**6.99**	**0.452**	**550.59**	**1.3**	**27.83**	**3.99 J**	**63**	**2.2**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	-	**6.18**	**2.62**	9.41 U	9.41 U	**4.03 J**	**0.56 J**	**194.91 D**	**0.33 J**	-	-	**5.28**	**0.633**	**14.19**	**2.64**	**1.99**	**5.91 J**	**12**	**25**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	**22.8**	**13.6**	-	-	-	-	-	-	-	-	**21.8**	**1.67**	-	-	-	-	-	-

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR19-SSV-4AS	TR19-IA-4AI	TR19-SSV-4AS	TR19-IA-4AI	TR19-SSV-4AS	TR19-SSV-4AS	TR19-IA-4AI	TR19-IA-4AI	TR19-SSV-4AS	TR19-IA-4AI	TR19-IA-4AI	TR19-SSV-4AS	TR19-SSV-4AS	TR19-IA-4AI	TR19-IA-4AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-5AS
Sample Date							03/31/2021	03/31/2021	12/17/2021	12/17/2021	12/22/2022	12/22/2022	12/22/2022	12/22/2022	01/11/2024	01/11/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/12/2024	12/05/2017	12/05/2017	03/07/2018	03/07/2018	03/31/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
							1901335-03B	1901335-04B																		
							L2116379-09	L2116379-10														L2116379-07	L2116379-08	L2116379-07	L2116379-08	L2116379-07
							SC42209-09	SC42209-10														SC42209-11	SC42209-12	SC42209-11	SC42209-12	SC42209-11
Lab Sample ID							SC44597-11	SC44597-12	L2169938-07	L2169938-08	L2272323-03	L2272323-11	L2272323-14	L2272323-12	L2402049-44	L2402049-45	L2473696-29	L2473696-38	L2473696-30	L2473696-39	SC44597-13	SC44597-14	SC44597-13	SC44597-14	SC44597-13
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																										
Matrix A																										
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.14**	0.081 U	0.081 U	0.081 U	0.081 U	0.116 U	0.081 U	0.081 U	0.081 U	0.081 U	0.809 U	0.809 U	0.081 U	0.081 U	10.12 U	**0.29 J**	2.02 U	0.08 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**253**	0.079 U	**169**	0.079 U	**193**	**186**	0.079 U	0.079 U	**301**	0.079 U	**277**	**294**	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.161 U	**0.39**	**0.258**	**0.61**	**0.22**	**0.233**	**0.421**	**0.51**	0.126 U	**0.428**	1.26 U	1.26 U	**0.554**	**0.572**	15.73 U	**0.38**	3.15 U	**0.19**	0.126 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**178**	0.107 U	**112**	0.107 U	**111**	**111**	0.107 U	0.107 U	**154**	0.107 U	**165**	**171**	0.107 U	0.107 U	13.44 U	**0.53**	2.69 U	0.11 U	**0.908**
Matrix B																										
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.496**	0.109 U	**0.409**	0.109 U	**0.344**	**0.366**	0.109 U	0.109 U	**0.486**	0.109 U	1.09 U	1.09 U	0.109 U	0.109 U	13.64 U	**0.65**	2.73 U	0.55 U	**0.213**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**26.2**	**6.18**	**30.8**	0.136 U	**16.7**	**19.1**	0.136 U	0.136 U	**19.8**	**0.21**	**37.9**	**41.3**	**0.59**	**0.597**	16.95 U	**0.08 J**	3.39 U	0.14 U	**28.5**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	2.23 U	1.74 U	1.74 U	1.74 U	**8.06 J**	2.48 UJ	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	**0.58**	1.74 U	**1.81**	1.74 U
Matrix C																										
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	**6.7**	0.051 U	**3.76**	0.051 U	**4.22**	**3.27**	0.051 U	0.051 U	**5.37**	0.051 U	**5.11**	**5.83**	0.051 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.189**
Other																										
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	**0.702**	0.079 U	**0.369**	0.079 U	**0.293**	**0.278**	0.079 U	0.079 U	**0.293**	0.079 U	0.793 U	0.793 U	0.079 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	**40.4**	**0.079**	**29.5**	**0.095**	**34.6**	**33**	**0.167 J**	**0.579 J**	**47.6**	**0.099**	**54.7**	**58.3**	0.079 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	0.079 U
Non-Chlorinated VOCs																										
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**0.76**	**0.958**	**0.652**	**0.856**	**1.09**	**1.02**	**0.863**	**3.45**	**0.952**	**0.757**	**0.76**	**0.639**	7.98 U	**0.73**	1.6 U	**1.56**	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**4.13**	**3.1**	**1.12 J**	**1.65 J**	**1.26**	**1.19**	**1.08**	**2**	0.869 U	**1.17**	**0.604**	**0.534**	10.84 U	**0.82**	**7.72**	**0.61**	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	-	-	**16.1**	**12.2**	**5.13**	**6.86**	**4.6**	**4.11**	**5.34**	**7.77**	**2.65 J**	**3.89 J**	**2.27**	**2.01**	21.68 U	**2.29**	**19.47**	**2.43**	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	-	**7.56**	**4.34**	**2.68**	**3.57**	**1.99**	**1.83**	**3.7**	**3.19**	**1.95**	**2.38**	**0.916**	**0.843**	10.84 U	**0.88**	**6.85**	**1.34 J**	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	-	-	**5.39**	**2.88**	**2.13**	**2.98**	**2.58**	**2.23**	**1.5**	**7.42**	**1.33**	**1.33**	**1.79 J**	**0.908 J**	9.41 U	**1.55**	**22.65**	**2.78 J**	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	**23.7**	**16.5**	**7.82**	**10.4**	**6.6**	**5.95**	**9.03**	**10.9**	**4.6**	**6.25**	**3.18**	**2.85**	-	-	-	-	-

Notes and Abbreviations:
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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR19-IA-5AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-5AS	TR19-IA-5AI	TR19-SSV-6AS	TR19-IA-6AI	TR19-SSV-6AS	TR19-SSV-6AS	TR19-IA-6AI	TR19-IA-6AI	TR19-SSV-6AS	TR19-IA-6AI
Sample Date							03/31/2021	12/17/2021	12/17/2021	12/22/2022	12/22/2022	01/11/2024	01/11/2024	12/12/2024	12/12/2024	12/05/2017	12/05/2017	03/07/2018	03/07/2018	01/16/2019	01/16/2019	01/16/2019	01/16/2019	03/31/2021	03/31/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Duplicate	Field Sample	Field Sample
Lab Sample ID							L2116379-08 SC42209-12 SC44597-14	L2169938-11	L2169938-12	L2272323-05	L2272323-15	L2402049-46	L2402049-47	L2473696-31	L2473696-32	1901335-05B L2116379-05 SC42209-13 SC44597-15	1901335-07B L2116379-06 SC42209-14 SC44597-16	1901335-05B L2116379-05 SC42209-13 SC44597-15	1901335-07B L2116379-06 SC42209-14 SC44597-16	1901335-05B L2116379-05 SC42209-13 SC44597-15	1901335-06B	1901335-07B L2116379-06 SC42209-14 SC44597-16	1901335-08B	1901335-05B L2116379-05 SC42209-13 SC44597-15	1901335-07B L2116379-06 SC42209-14 SC44597-16
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	8.54 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.809 U	0.081 U	10.12 U	**0.09 J**	2.02 U	0.08 U	1.3 U	1.3 U	0.12 U	0.13 U	0.081 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	8.37 U	0.079 U	**0.167**	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.91 U	0.4 U	1.98 U	0.4 U	1.3 U	1.3 U	0.12 U	**0.084 J**	0.079 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.39**	13.3 U	**0.566**	0.126 U	**0.447**	0.126 U	**0.403**	1.26 U	**0.547**	15.73 U	**0.42**	3.15 U	**0.19**	2.1 U	2 U	**0.37**	**0.4**	0.126 U	**0.346**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.107 U	11.3 U	0.107 U	**0.57**	0.107 U	**0.236**	0.107 U	1.07 U	0.107 U	13.44 U	0.11 U	2.69 U	0.11 U	**0.24 J**	**0.24 J**	**0.034 J**	**0.3 J**	**0.226**	0.107 U
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.109 U	11.5 U	0.109 U	**0.262**	0.109 U	**0.202**	0.109 U	1.09 U	0.109 U	13.64 U	**0.29 J**	2.73 U	0.55 U	1.8 U	1.8 U	**0.019 J**	**0.023 J**	**0.202**	0.109 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**2.75**	14.3 U	0.136 U	**0.61**	0.136 U	**0.461**	**0.183**	**1.62**	**0.325**	16.95 U	**0.08 J**	3.39 U	**0.07**	**0.24 J**	**0.26 J**	**0.11 J**	**0.083 J**	**1.17**	**2.54**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	183 U	1.74 U	1.74 U	**3.96**	1.74 U	**5.11**	1.74 U	1.74 U	8.68 U	**0.65**	**1.63**	**0.69**	11 U	11 U	**2.4 J**	1.1 UJ	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	5.39 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	0.05 U	1.28 U	0.05 U	**0.4 J**	**0.42 J**	0.076 U	0.082 U	**0.225**	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	8.37 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	0.08 U	1.98 U	0.08 U	0.65 U	0.64 U	0.059 U	0.064 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	8.37 U	0.079 U	**0.079**	0.079 U	0.079 U	0.079 U	0.793 U	**0.083**	9.91 U	0.4 U	1.98 U	0.4 U	6.5 U	6.4 U	0.59 U	0.64 U	0.079 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	33.9 U	**0.907**	0.319 U	**0.843**	**0.588**	**2.55**	0.639 U	**0.597**	7.98 U	**0.99**	1.6 U	**2.04**	2.6 U	2.6 U	**1.1**	**1.1**	-	-
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**7210**	**2.65**	**33.1**	**1.09**	**6.34**	**1.43**	**2.96**	**0.356**	10.84 U	0.43 U	**6.46**	**1.13**	**0.8 J**	**0.75 J**	**0.75**	**0.78**	-	-
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	-	**28300**	**10.8**	**191**	**4.1**	**37.6**	**5.47**	**19.7**	**1.36**	21.68 U	**1.05**	**38.11**	**5.16**	**3.2**	**3.2**	**2.7**	**2.8**	-	-
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	-	**6470**	**3.67**	**72.5**	**1.59**	**15.7**	**2.24**	**7.77**	**0.608**	10.84 U	**0.5**	**22.07**	**2.3 J**	**1.2 J**	**1.2 J**	**1**	**1.1**	-	-
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	-	**441**	**2.69**	**3.7**	**1.76**	**1.62**	**5.2**	**2.2**	**0.916**	**12.34**	**1.11**	**4.59**	**4.85 J**	**12**	**12**	**12**	**12**	-	-
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	**34700**	**14.5**	**264**	**5.69**	**53.4**	**7.69**	**27.5**	**1.96**	-	-	-	-	-	-	-	-	-	-

Notes and Abbreviations:
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All results displayed in µg/m3.
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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR19-SSV-6AS	TR19-IA-6AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-7AS	TR19-IA-7AI	TR19-SSV-8AS	TR19-IA-8AI	TR19-SSV-8AS	TR19-IA-8AI	TR19-SSV-8AS
Sample Date							12/17/2021	12/17/2021	03/07/2018	03/07/2018	03/31/2021	03/31/2021	12/17/2021	12/17/2021	12/22/2022	12/22/2022	01/11/2024	01/11/2024	12/12/2024	12/12/2024	03/07/2018	03/07/2018	03/31/2021	03/31/2021	12/17/2021
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2169938-09	L2169938-10	L2116379-01 SC44597-05	L2116379-02 SC44597-06	L2116379-01 SC44597-05	L2116379-02 SC44597-06	L2169938-03	L2169938-04	L2272323-01	L2272323-02	L2402049-42	L2402049-43	L2473696-27	L2473696-28	L2116379-13 SC44597-09	L2116379-14 SC44597-10	L2116379-13 SC44597-09	L2116379-14 SC44597-10	L2169938-15
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	0.081 U	**1.46 J**	0.08 U	**0.554**	0.081 U	**0.546**	0.081 U	**1.33**	0.081 U	**0.72**	0.081 U	**1.56**	0.081 U	2.02 U	0.08 U	0.081 U	0.081 U	0.081 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	**2.78**	0.4 UJ	**1.71**	0.079 U	**1.66**	0.079 U	**6.11**	0.079 U	**2.78**	0.079 U	**7.26**	0.079 U	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.245**	**0.541**	3.15 U	**0.19**	0.126 U	**0.384**	0.126 U	**0.572**	**0.145**	**0.472**	**0.195**	**0.478**	1.26 U	**0.56**	3.15 U	**0.19**	**0.157**	**0.371**	**0.176**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.269**	0.107 U	**521.3 DJ**	**0.21**	**207**	0.107 U	**269**	0.107 U	**333**	0.107 U	**185**	0.107 U	**246**	0.107 U	2.69 U	0.11 U	**0.575**	0.107 U	**0.521 J**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.207**	0.109 U	**18.5**	0.55 U	**10**	0.109 U	**13.3**	0.109 U	**15.4**	0.109 U	**8.84**	0.109 U	**18.7**	0.109 U	2.73 U	0.55 U	**0.693**	0.109 U	**0.824 J**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.529**	0.136 U	**64.9**	**0.27**	**42.9**	**0.807**	**69.2**	0.136 U	**55.1**	0.136 U	**25.9**	**0.197**	**88.8**	**0.244**	3.39 U	**0.07 J**	**1.01**	**0.495**	**0.387 J**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	**2.15**	1.74 U	**0.52**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	0.35 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	1.28 U	0.05 U	**0.146**	0.051 U	0.051 U	0.051 U	**0.095**	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	1.28 U	0.05 U	0.051 U	0.051 U	0.051 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	1.98 U	0.08 U	0.079 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	1.98 U	**1.19**	0.079 U	0.079 U	0.079 U	0.079 U	**0.139**	0.079 U	0.079 U	0.079 U	0.793 U	**0.095**	1.98 U	0.4 U	0.079 U	0.079 U	0.079 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.431**	**0.671**	**11.52**	**0.7**	-	-	**0.371**	**0.508**	**7.64**	**0.677**	**0.645**	**0.952**	0.639 U	**0.457**	**1.91**	**0.51**	-	-	0.319 U
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**7.64**	**1.95**	2.17 U	0.43 U	-	-	**3.22**	**0.73**	**2.17**	**0.53**	**0.565**	**0.456**	0.869 U	**0.321**	2.17 U	0.43 U	-	-	**3.65 J**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**28.8**	**7.47**	4.34 U	0.87 UJ	-	-	**12.4**	**3.05**	**10.3**	**1.81**	**2.38**	**1.64**	**2.48**	**1.2**	4.34 U	0.87 U	-	-	**13.4 J**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**11.1**	**2.38**	2.17 U	**0.48**	-	-	**5.73**	**1.11**	**3.2**	**0.747**	**1.03**	**0.708**	**1.29**	**0.582**	2.17 U	0.43 UJ	-	-	**5.95 J**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**14.1**	**1.76**	**5.83**	**0.79 J**	-	-	**3.96**	**1.13**	**18.6**	**1.53**	**1.38**	**1.67**	**1.73**	**1.21**	**2.97**	**0.53 J**	-	-	**4.07 J**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**39.9**	**9.86**	-	-	-	-	**18.1**	**4.16**	**13.5**	**2.55**	**3.41**	**2.35**	**3.76**	**1.78**	-	-	-	-	**19.4 J**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR19-SSV-8AS	TR19-IA-8AI	TR19-IA-8AI	TR23-SSV-1AS	TR23-IA-1AI	SWTP-SSV-1AS	SWTP-SSV-1AS	SWTP-SSV-1AS	SWTP-SSV-2AS	SWTP-SSV-2AS	SWTP-SSV-3AS	SWTP-SSV-3AS	SWTP-SSV-4AS	SWTP-SSV-5AS	TR10-SSV-1AS	TR10-IA-1AI	TR10-IA-1AI	TR20-EP-1AS	TR20-EP-2AS
Sample Date							12/17/2021	12/17/2021	12/17/2021	12/11/2024	12/11/2024	12/07/2017	12/07/2017	03/09/2018	12/07/2017	03/09/2018	03/09/2018	03/09/2018	03/09/2018	03/09/2018	12/11/2017	12/11/2017	03/13/2018	10/12/2018	10/12/2018
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Duplicate	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2169938-16	L2169938-17	L2169938-18	L2473694-01	L2473694-02	SC42333-12 SC44700-02	SC42333-13	SC42333-12 SC44700-02	SC42333-14 SC44700-01	SC42333-14 SC44700-01	SC44700-03	SC44700-04	SC44700-05	SC44700-06	SC42329-11	SC42329-12 SC44770-06	SC42329-12 SC44770-06	1810306-03A	1810306-02A L1040077-02
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.081 U	0.081 U	0.081 U	**72.4**	0.081 U	10.12 U	10.12 U	**2.35**	10.12 U	**7.05**	**24.38**	**23.12**	**15.1 J**	**32.51 J**	4.05 U	**0.03 J**	0.08 U	3.4 U	**5.4**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.079 U	0.079 U	0.079 U	**87.6**	0.079 U	**17**	**17.2**	**20.62**	**23.4**	**87.63**	**197.07**	**195.88**	**53.53 J**	**106.66 J**	3.97 U	0.4 U	-	3.3 U	3.2 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.126 U	**0.516**	**0.566**	1.26 U	**0.51**	15.73 U	15.73 U	3.15 U	15.73 U	3.15 U	3.15 U	3.15 U	3.15 U	3.15 U	6.29 U	**0.28**	**0.22**	5.3 U	5.1 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.183 J**	0.107 U	0.107 U	**404**	**0.172**	**898**	**924**	**612.66 D**	**130**	**255.81 D**	**1891.73 DJ**	**3675.98 DJ**	**1676.76 DJ**	**283.76 D**	5.37 U	**0.12**	0.11 U	**48**	**780**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.327 J**	0.109 U	0.109 U	**197**	0.109 U	13.64 U	13.64 U	2.73 U	13.64 U	2.73 U	**2.92**	**2.94**	**5.51 J**	**25.97 J**	5.46 U	0.55 U	-	**43**	**110**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.237 J**	0.136 UJ	**0.237 J**	**5.64**	**0.156**	16.95 U	16.95 U	3.39 U	16.95 U	**8.88**	**4.34 J-**	**3.03 J-**	**3.51 J**	3.39 U	6.78 U	0.14 U	**2.26**	5.7 U	5.5 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	8.68 U	8.68 U	1.74 U	8.68 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	3.47 U	**0.28 J**	0.35 U	29 U	28 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.051 U	0.051 U	0.511 U	0.051 U	6.39 U	6.39 U	1.28 U	6.39 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	2.56 U	**0.03 J**	0.05 U	2.1 U	2 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	0.793 U	0.079 U	9.92 U	9.92 U	1.98 U	9.92 U	1.98 U	1.98 U	1.98 U	1.98 U	**1.78 J**	3.97 U	0.08 U	0.08 UJ	3.3 U	3.2 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.079 U	0.079 U	**87.2**	**0.079**	9.91 U	9.91 U	1.98 U	9.91 U	1.98 U	**6.15**	**5.63**	**2.78 J**	**2.34 J**	3.97 U	0.4 U	-	3.3 U	3.2 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.319 U	**0.441 J**	**0.789 J**	**4.28**	**0.76**	**7.37**	**7.27**	1.6 U	7.98 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	3.19 U	**0.33**	-	**5.1**	**3.7**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.11 J**	**1.63 J**	**0.213 J**	**2.02**	**0.252**	**78.5**	**56.4**	**342.06 DJ**	**47.7**	**136.13**	**69.8 J-**	**63.73 J-**	**4296.36 DJ**	**446.54 DJ**	**17**	0.43 U	0.43 UJ	**61**	**34**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**4.65 J**	**6.34 J**	**0.717 J**	**9.77**	**0.73**	**477 J**	**231 J**	**1781.84 D**	**255**	**619.96 D**	**300.44 J-**	**258.82 J-**	**6156.24 DJ**	**2011.62 D**	**50.7**	0.87 U	0.87 UJ	**300**	**170**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.16 J**	**2.99 J**	**0.248 J**	**3.53**	**0.304**	**205 J**	**78 J**	**875.75 D**	**96.2**	**258.39 D**	**120.09 J-**	**91.48 J-**	**6763.19 DJ**	**854.07 D**	**28.6**	**0.23 J**	0.43 U	**160**	**100**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.64 J**	**2.8 J**	**1.28 J**	**11.6**	**0.908**	9.41 U	9.41 U	**5.91 J-**	9.41 U	**6.62**	**5.23 J-**	**4.97 J-**	**52.68 J**	**9.78 J**	3.76 U	**0.45**	**0.36 J**	**18**	**6.2**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**6.82 J**	**9.34 J**	**0.964 J**	**13.3**	**1.03**	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR20-EP-2AS	TR20-EP-3AS	TR20-EP-3AS	TR20-EP-4AS	TR20-EP-4AS	TR20-SSV-10AS	TR20-IA-10AI	TR20-SSV-11AS	TR20-IA-11AI	TR20-SSV-1AS	TR20-IA-1AI	TR20-SSV-1AS	TR20-IA-1AI	TR20-SSV-2AS	TR20-IA-2AI	TR20-SSV-3AS	TR20-IA-3AI	TR20-SSV-3AS	TR20-SSV-3AS
Sample Date							10/31/2018	10/12/2018	10/12/2018	10/12/2018	10/31/2018	01/17/2019	01/17/2019	01/17/2019	01/17/2019	12/04/2017	12/04/2017	03/06/2018	03/06/2018	12/04/2017	12/04/2017	12/04/2017	12/04/2017	03/06/2018	03/06/2018
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate
Lab Sample ID							1810306-02A L1040077-02	1810306-06A	1810306-07A	1810306-01A L1040077-01	1810306-01A L1040077-01	1901355-03B	1901355-04B	1901355-01B	1901355-02B	SC42091-03 SC44596-01	SC42091-04 SC44596-02	SC42091-03 SC44596-01	SC42091-04 SC44596-02	SC42091-01	SC42091-02	SC42091-05 SC44596-07	SC42091-06 SC44596-09	SC42091-05 SC44596-07	SC44596-08
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**11.2**	13 U	13 U	**370**	**40.9**	**0.02 J**	0.12 U	**0.033 J**	0.12 U	3.34 U	0.08 U	2.02 U	**0.24**	2.02 U	0.08 U	40.49 U	0.08 U	**6.28**	**5.83**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**6.87**	13 U	13 U	17 U	**1.99**	0.12 U	0.12 U	0.12 U	**0.031 J**	3.27 U	0.4 U	1.98 U	**0.42**	1.98 U	0.4 U	39.65 U	0.4 U	**13.92**	**13.12**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	1.26 U	21 U	21 U	26 U	1.26 U	**0.37**	**0.42**	**0.21**	**0.4**	5.19 U	**0.19**	3.15 U	**0.63**	3.15 U	**0.19**	62.9 U	**0.22**	3.15 U	3.15 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**576**	18 U	18 U	**5100**	**1020**	**0.28**	**0.048 J**	**0.36**	**0.045 J**	4.43 U	**0.02 J**	**11.12**	**0.32**	2.69 U	**0.05 J**	**5370**	**0.07 J**	**3869.45 DJ**	**3772.71 DJ**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**116**	**250**	**260**	**2200**	**480**	**0.027 J**	**0.052 J**	**0.047 J**	**0.047 J**	**15.06**	0.55 U	**14.46**	**0.87**	2.73 U	0.55 U	**387**	0.55 U	**222.06 D**	**235.7 D**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**3.98**	22 U	**36**	28 U	**4.34**	**0.072 J**	**0.088 J**	**0.1 J**	**0.082 J**	5.59 U	**0.04 J**	**10.24**	**2.2**	3.39 U	**0.07 J**	67.81 U	**0.08 J**	**4.68**	**5.02**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.694 U	110 U	110 U	140 U	0.694 U	**1.5**	**2.1**	1.1 U	1.1 U	**2.53 J**	**0.46**	1.74 U	**0.87**	1.74 U	**0.3 J**	34.72 U	**0.37**	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.511 U	8.4 U	8.4 U	11 U	0.511 U	**0.24**	0.079 U	**0.36**	0.078 U	2.11 U	0.05 U	1.28 U	**0.13**	1.28 U	0.05 U	25.56 U	0.05 U	1.28 U	1.28 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	**1.35**	13 U	13 U	**58**	0.793 U	0.062 U	0.061 U	0.062 U	0.061 U	3.27 U	0.08 U	1.98 U	**0.2**	1.98 U	0.08 U	39.67 U	0.08 U	1.98 U	1.98 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.793 U	13 U	13 U	17 U	0.793 U	0.62 U	0.61 U	0.62 U	0.61 U	3.27 U	0.4 U	1.98 U	**0.73**	1.98 U	0.4 U	39.65 U	0.4 U	**2.18**	**2.1**
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.639 U	**19**	**14**	**20**	0.639 U	**0.64**	**1.2**	**0.76**	**1.2**	2.63 U	**0.72**	1.6 U	**1.48**	1.6 U	**0.7**	31.9 U	**1.34**	**2.84**	**2.71**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.867 U	**53**	**37**	**100**	0.867 U	**0.17**	**0.97**	**1.9**	**1**	3.58 U	0.43 U	2.17 U	**0.81**	2.17 U	**0.42 J**	**62**	**1.02**	**6.16**	**5.59**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	1.73 U	**250**	**100**	**370**	**2.57**	**1**	**3.6**	**13**	**3.8**	7.15 U	**0.83 J**	4.34 U	**2.48**	4.34 U	**1.14**	**338**	**3.97**	**31.87**	**27.88**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	0.867 U	**180**	**50**	**130**	**2.01**	**0.25**	**1.4**	**6.5**	**1.4**	3.58 U	**0.35 J**	**1.86 J**	**0.98 J**	2.17 U	**0.38 J**	**102**	**1.6**	**11.62**	**10.14**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**1.19**	**3300**	**2800**	**47**	**4.82**	**3**	**23**	**3.1**	**23**	**4.89**	**1.03**	**2.37**	**2.38**	1.88 U	**1.06**	**43.6**	**3.19**	**5.91**	**5.68**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
Bold *text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR20-IA-3AI	TR20-IA-3AI	TR20-SSV-4AS	TR20-IA-4AI	TR20-SSV-4AS	TR20-IA-4AI	TR20-SSV-5AS	TR20-IA-5AI	TR20-SSV-5AS	TR20-IA-5AI	TR20-SSV-6AS	TR20-IA-6AI	TR20-SSV-6AS	TR20-IA-6AI	TR20-SSV-7AS	TR20-IA-7AI	TR20-SSV-8AS	TR20-IA-8AI	TR20-SSV-9AS
Sample Date							03/06/2018	03/06/2018	12/04/2017	12/04/2017	03/06/2018	03/06/2018	12/04/2017	12/04/2017	03/06/2018	03/06/2018	12/04/2017	12/04/2017	03/06/2018	03/06/2018	03/06/2018	03/06/2018	03/06/2018	03/06/2018	03/06/2018	01/17/2019
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							SC42091-06 SC44596-09	SC44596-10	SC42091-07 SC44596-11	SC42091-08 SC44596-12	SC42091-07 SC44596-11	SC42091-08 SC44596-12	SC42091-09 SC44596-13	SC42091-10 SC44596-14	SC42091-09 SC44596-13	SC42091-10 SC44596-14	SC42091-11 SC44596-15	SC42091-12 SC44596-16	SC42091-11 SC44596-15	SC42091-12 SC44596-16	SC44596-03	SC44596-04	SC44596-05	SC44596-06	1901355-05A
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.08 U	0.08 U	2.02 U	0.08 U	2.02 U	0.08 U	10.04 U	0.08 U	2.02 U	0.08 U	4.05 U	0.08 U	2.02 U	0.08 U	2.02 U	**0.12**	2.02 U	0.08 U	21 U
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.4 U	0.4 UJ	1.98 U	0.4 U	1.98 U	0.4 UJ	9.83 U	0.4 U	1.98 U	0.4 UJ	3.97 U	0.4 U	1.98 U	0.4 UJ	1.98 U	0.4 U	1.98 U	0.4 U	21 U
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.25**	**0.25**	3.15 U	**0.2**	3.15 U	**0.25**	15.6 U	**0.2**	3.15 U	**0.25**	6.29 U	**0.32**	3.15 U	**0.25**	3.15 U	**0.38**	3.15 U	**0.19**	33 U
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.11**	**0.16**	2.69 U	**0.04 J**	**7.79 J**	**0.11**	13.33 U	**0.2**	2.69 UJ	**0.11**	5.37 U	0.11 U	2.69 UJ	**0.11**	**8.81**	**0.16**	**6.13 J**	**0.05 J**	28 U
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.55 U	0.55 U	2.73 U	0.55 U	**2.24 J**	0.55 U	13.53 U	0.55 U	2.73 U	0.55 U	5.46 U	0.55 U	2.73 U	0.55 U	2.73 U	**0.6**	**5.67**	0.55 U	29 U
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	0.14 U	0.54 U	**2.83 J**	**0.05 J**	3.39 U	0.54 U	16.82 U	**0.07 J**	3.39 U	0.54 U	6.78 U	**0.04 J**	3.39 U	0.54 U	**3.93**	**7.32**	**2.37 J**	**0.07 J**	36 U
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.65 J**	0.35 UJ	1.74 U	**0.35**	1.74 U	**0.38**	8.61 U	**0.5**	1.74 U	0.35 U	3.47 U	**0.45**	1.74 U	**2.22**	1.74 U	**0.88**	1.74 U	0.35 U	180 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.05 U	0.05 U	1.28 U	0.05 U	1.28 U	0.05 U	6.34 U	0.05 U	1.28 U	0.05 U	2.56 U	0.05 U	1.28 U	0.05 U	1.28 U	**0.05**	1.28 U	0.05 U	13 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.08 U	0.08 U	1.98 U	0.08 U	1.98 U	0.08 U	9.84 U	0.08 U	1.98 U	0.08 U	3.97 U	0.08 U	1.98 U	0.08 U	1.98 U	**0.12**	1.98 U	0.08 U	21 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.4 U	0.4 U	1.98 U	0.4 U	1.98 U	0.4 U	9.83 U	0.4 U	1.98 U	0.4 U	3.97 U	0.4 U	1.98 U	0.4 U	1.98 U	**0.42**	1.98 U	0.4 U	21 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.13**	**1.53**	1.6 U	**1.16**	**1.66**	**1.88**	7.91 U	**1.76**	**13.62**	**2.27**	**14.9**	**0.7**	1.6 U	**1.72**	1.6 U	**1.7**	**2.23**	**1.61**	**5.4**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.06**	**0.65**	**49**	**0.88**	**30.48**	**1.04**	**13.1**	**1.37**	**122.26**	**1.65**	**131**	0.43 U	**7.07 J-**	**1.17**	2.17 U	**0.7**	**6.98**	**0.73**	**1200**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**4.99**	**2.9 J**	**249**	**3.15**	**159.54**	**4.16 J**	**22**	**5.12**	**429.2**	**7.59 J**	**633 D**	0.87 U	**36.89 J-**	**5.46 J**	4.34 U	**2.48**	**23.97**	**2.86**	**4800**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.67 J**	**1.04**	**85.8**	**1.26**	**77.17**	**1.69**	10.75 U	**2.21**	**183.39**	**2.86**	**512 D**	0.43 U	**31.95 J-**	**2.08**	2.17 U	**1.06 J**	**6.42**	**0.98 J**	**1000**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**5.46**	**3.88 J**	**26.1**	**2.77**	**5.68**	**5.53 J**	**22.1 J-**	**4.4**	**23.14**	**7.83 J**	**21 J-**	**0.74**	**2.93**	**5.46 J**	1.88 U	**2.38**	**5.68**	**4.29**	**55**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes and Abbreviations:
-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NS: No screening value
NYSDOH: New York State Department of Health
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR20-IA-9AI	TR20-VMP-1AS	TR20-VMP-2AS	TR21-SSV-1AS	TR21-IA-1AI	TR21-SSV-1AS	TR21-IA-1AI	TR21-SSV-2AS	TR21-IA-2AI	TR21-SSV-2AS	TR21-IA-2AI	TR8-SSV-1AS	TR8-IA-1AI	TR8-SSV-1AS	TR8-IA-1AI	TR8-SSV-1AS	TR8-IA-1AI	TR8-IA-1AI	TR8-SSV-2AS
Sample Date							01/17/2019	10/12/2018	10/12/2018	12/11/2017	12/11/2017	03/12/2018	03/12/2018	12/11/2017	12/11/2017	03/12/2018	03/12/2018	12/11/2017	12/11/2017	03/12/2018	03/12/2018	01/15/2019	01/15/2019	07/05/2024	03/12/2018
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							1901355-06B	1810306-04A	1810306-05A	SC42329-02 SC44765-03	SC42329-03 SC44765-04	SC42329-02 SC44765-03	SC42329-03 SC44765-04	SC42329-04 SC44765-01	SC42329-01 SC44765-02	SC42329-04 SC44765-01	SC42329-01 SC44765-02	1901333-02B SC42329-09 SC44765-07	1901333-03B SC42329-10 SC44765-08	1901333-02B SC42329-09 SC44765-07	1901333-03B SC42329-10 SC44765-08	1901333-02B SC42329-09 SC44765-07	1901333-03B SC42329-10 SC44765-08	L2438101-01	1901333-04B SC44765-09
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Subslab Vapor	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.14 U	3.2 U	3.3 U	10.12 U	0.08 U	26 U	0.08 U	2.02 U	0.08 U	4.05 U	0.08 U	**61.6**	**0.39**	**46.97**	**0.24**	**50**	**0.3**	0.081 U	**15.63**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.14 U	3.2 U	3.2 U	9.91 U	0.4 U	25.46 UJ	0.4 U	1.98 U	0.4 U	3.97 UJ	0.4 U	**551**	**4.48**	**139.97 J**	**2.26 J**	**140**	**0.9**	0.079 U	**30.69 J**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.59**	5.1 U	5.2 U	15.73 U	**0.38**	40.38 UJ	**0.19**	3.15 U	**0.42**	6.29 UJ	**0.19**	15.73 U	**0.29**	12.58 UJ	**0.25**	0.96 U	**0.39**	**0.497**	12.58 UJ
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.071 J**	4.3 U	4.4 U	**47.4**	0.11 U	**50.03 J**	**0.11**	**57.5**	0.11 U	**55.35 J**	**0.05 J**	**318**	**2.72 J**	**434.24 J**	**5.7**	**470**	**3.2**	**0.156**	**435.85 J**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.076 J**	**21**	4.5 U	**32.2**	0.55 U	35.03 UJ	**0.22 J**	**78.6**	**0.33 J**	**92.75 J**	0.55 U	**21.7**	**0.79**	**27.06**	**0.87**	**31**	**0.49**	**0.169**	**88.39**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.084 J**	5.5 U	5.6 U	16.95 U	**0.08 J**	43.54 UJ	0.14 U	**13.7**	**0.08 J**	**10.04 J**	**0.2**	**16.1**	**0.33**	**12.48 J**	**3.46**	**12**	**0.32**	0.136 U	**21.23**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.2 U	28 U	28 U	8.68 U	**1.69**	22.29 U	**2.53**	1.74 U	**0.8**	3.47 U	**0.63**	**8.58**	**0.67**	6.94 U	**1.04**	5.3 U	2 U	1.74 U	6.94 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.091 U	2 U	2.1 U	6.39 U	0.05 U	16.41 UJ	0.05 U	1.28 U	0.05 U	2.56 UJ	0.05 U	**51.4**	**0.47**	5.11 UJ	0.05 U	**2**	**0.1**	0.051 U	5.11 UJ
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.07 U	3.2 U	3.2 U	9.92 U	0.08 U	25.47 UJ	0.08 U	1.98 U	0.08 U	3.97 UJ	0.08 U	**9.24**	0.08 U	7.93 U	0.08 U	**4**	**0.31**	0.079 U	7.93 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.7 U	3.2 U	3.2 U	9.91 U	0.4 U	25.46 UJ	0.4 U	1.98 U	0.4 U	3.97 UJ	0.4 U	9.91 U	0.4 U	7.93 UJ	0.4 U	**1.6 J**	**0.039 J**	0.079 U	7.93 UJ
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.7**	2.6 U	2.6 U	7.98 U	**0.59**	20.48 UJ	**0.7**	**1.88**	**0.53**	3.19 UJ	**0.57**	7.98 U	**2.09**	6.38 UJ	**1.34**	1.2 U	**1.2**	**0.371**	6.38 UJ
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.1**	**8.6**	3.6 U	**382**	0.43 U	**611.29 J**	0.43 U	**74.1**	**0.75**	**84.11 J**	0.43 U	10.84 U	**1.91**	8.67 UJ	**0.69**	0.66 U	**1.1**	**0.43**	8.67 UJ
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**4.1**	**35**	**5.6**	**2080**	0.87 U	**2804.99 J**	0.87 U	**356**	**2.73**	**385.42 J**	**0.95**	21.68 U	**7.72**	17.34 UJ	**3.03**	**0.22 J**	**4.2**	**1.92**	17.34 UJ
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.6**	**10**	3.6 U	**915**	0.43 U	**1252.92 J**	0.43 U	**144**	**1.37**	**165.18 J**	**0.35 J**	10.84 U	**3.06**	8.67 UJ	**1.26**	**0.14 J**	**2.4**	**1.12**	8.67 UJ
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**18**	**5.4**	**5.1**	**25.6**	**0.81**	**45.15 J**	**0.56 J**	**22.7**	**1.11**	**4.55 J**	**0.6 J**	9.41 U	**10.23**	7.53 UJ	**2.22**	**0.23 J**	**3.7**	**2.14**	7.53 UJ
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3.04**	-

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR8-IA-2AI	TR8-SSV-2AS	TR8-IA-2AI	TR8-IA-2AI	TR8-SSV-3AS	TR8-IA-3AI	TR8-SSV-3AS	TR8-IA-3AI	TR8-IA-3AI	TR8-IA-4AI	TR8-IA-4AI	TR8-IA-5AI	TR8-IA-5AI	TR8-IA-6AI	TR8-IA-6AI	TR8-IA-6AI	TR8-SSV-8AS	TR8-IA-8AI	TR8-SSV-9AS
Sample Date							03/12/2018	01/15/2019	01/15/2019	07/05/2024	03/12/2018	03/12/2018	01/15/2019	01/15/2019	07/05/2024	05/01/2019	07/05/2024	05/01/2019	07/05/2024	05/01/2019	05/01/2019	07/05/2024	12/11/2024	12/11/2024	12/11/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Duplicate	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							1901333-05B SC44765-10	1901333-04B SC44765-09	1901333-05B SC44765-10	L2438101-02	1901332-07B SC44765-05	1901333-01B SC44765-06	1901332-07B SC44765-05	1901333-01B SC44765-06	L2438101-03	VOA050119	L2438101-04	VOA050119	L2438101-05	VOA050119	VOA050119	L2438101-06	L2473695-01	L2473709-01	L2473695-02
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Subslab Vapor	Indoor Air	Subslab Vapor
Chlorinated VOCs																									
Matrix A																									
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.21**	**12**	**0.41**	0.081 U	**15.67**	**0.16**	**23**	**0.26**	0.081 U	**0.355**	0.081 U	**0.26**	0.081 U	**0.175**	**0.184**	0.081 U	**5.34**	**0.146**	**28.8**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	-	**22**	**1.2**	0.079 U	**19.23 J**	**1.39 J**	**30**	**0.75**	0.079 U	**0.913**	0.079 U	**0.695**	0.079 U	**0.469**	**0.478**	0.079 U	**1.64**	**0.21**	**17.6**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	0.3 U	**0.35 J**	**0.41**	**0.56**	7.86 UJ	**0.19**	**0.58 J**	**0.42**	**0.541**	**0.413**	**0.616**	**0.41**	**0.528**	**0.403**	**0.405**	**0.742**	1.26 U	**0.434**	**2.8**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**6.02**	**270**	**4.3**	**0.199**	**328.9 J**	**5.97**	**350**	**2.4**	**0.172**	**3.94**	**0.21**	**2.48**	**0.14**	**1.64**	**1.56**	**0.134**	**61.8**	**0.742**	**1400**
Matrix B																									
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**1.27 J+**	**52**	**0.67**	0.109 U	**37.26 J**	**0.82**	**44**	**0.35**	**0.24**	**0.552**	0.109 U	**0.368**	**0.125**	**0.242**	**0.252**	0.109 U	**82.4**	**0.295**	**415**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.68**	**11**	**0.36**	0.136 U	**17.7 J**	**0.27**	**16**	**0.37**	0.136 U	**0.403**	0.136 U	**0.228**	0.136 U	**0.189**	**0.168**	0.136 U	**2.67**	**0.183**	**35**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	-	2.2 U	1.2 U	1.74 U	4.34 U	**0.83**	3.7 U	1.4 U	1.74 U	**0.724**	1.74 U	0.694 U	1.74 U	0.694 U	0.694 U	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C																									
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.12 U	**0.63**	**0.13**	0.051 U	3.2 UJ	0.05 U	**0.34**	0.1 U	0.051 U	**0.0679**	0.051 U	**0.0657**	0.051 U	0.0511 U	**0.0516**	0.051 U	0.511 U	**0.074**	0.511 U
Other																									
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.19 UJ	**0.18**	**0.31**	0.079 U	4.96 UJ	0.08 U	0.21 U	**0.44**	0.079 U	0.0793 U	0.079 U	0.0793 U	0.079 U	0.0793 U	0.0793 U	0.079 U	0.793 U	0.079 U	0.793 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	-	**0.41 J**	**0.041 J**	0.079 U	4.96 UJ	0.4 U	**0.86 J**	0.8 U	0.079 U	**0.175**	0.079 U	**0.176**	0.079 U	**0.191**	**0.209**	0.079 U	0.793 U	0.079 U	0.793 U
Non-Chlorinated VOCs																									
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**0.76 J+**	**0.74**	**1.3**	**0.377**	3.99 UJ	**2.17**	**0.44 J**	**1.9**	**0.335**	**0.529**	**0.377**	**0.529**	**0.364**	**0.517**	**0.49**	**0.335**	**14.5**	**3.26**	**1.57**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	1.02 UJ	**1.2**	**1.2**	**0.343**	5.42 UJ	**0.78**	**0.11 J**	**1.4**	**0.534**	**0.761**	**0.347**	**0.713**	**0.226**	**0.686**	**0.592**	**0.395**	**1.82**	**1.29**	0.869 U
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	2.04 UJ	**4.3**	**4.9**	**1.55**	**14.96 J**	**3.12**	**0.33 J**	**5.3**	**2.47**	**2.93**	**1.55**	**2.87**	**0.938**	**2.38**	**2.25**	**1.72**	**9.73**	**5.56**	**3.72**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	1.02 U	**2.6**	**3.1**	**0.986**	**5.59 J**	**1.13**	**0.18 J**	**2.3**	**1.32**	**1.95**	**0.921**	**2.3**	**0.56**	**1.47**	**1.4**	**0.843**	**3.64**	**2.25**	**1.46**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**0.95**	**2**	**3.6**	**2.61**	4.7 UJ	**4.4**	**1.1**	**6.4**	**2.12**	**2.94**	**2.57**	**3.24**	**1.85**	**3.61**	**3.65**	**1.62**	**17.6**	**7.05**	**2.8**
Xylene (Total)	NS	NS	NS	NS	NS	NS	-	-	-	**2.54**	-	-	-	-	**3.8**	-	**2.47**	-	**1.5**	-	-	**2.56**	**13.4**	**7.77**	**5.17**

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APPENDIX C - TABLE 1
SUMMARY OF SOIL GAS AND INDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Name							TR8-IA-9AI	TR8-SSV-10AS	TR8-IA-10AI	TR8-IA-11AI
Sample Date							12/11/2024	12/11/2024	12/11/2024	12/11/2024
Sample Type	NYSDOH Soil Gas Concentration Matrices			NYSDOH Indoor Air Concentration Matrices			Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID							L2473709-02	L2473695-03	L2473709-03	L2473709-04
Sample Matrix	Range 1	Range 2	Range 3	Range 1	Range 2	Range 3	Indoor Air	Subslab Vapor	Indoor Air	Indoor Air
Chlorinated VOCs										
Matrix A										
1,1-Dichloroethane	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.154**	0.809 U	**0.174**	**0.15**
cis-1,2-Dichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.174**	0.793 U	**0.186**	**0.19**
Carbon tetrachloride	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.491**	1.26 U	**0.491**	**0.484**
Trichloroethene	< 6	6 to <60	≥ 60	< 0.2	0.2 to <1	≥ 1	**0.795**	**3.04**	**0.79**	**0.806**
Matrix B										
1,1,1-Trichloroethane	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.327**	**44.1**	**0.404**	**0.306**
Tetrachloroethene	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	**0.17**	**1.42**	**0.19**	**0.197**
Methylene chloride (Dichloromethane)	< 100	100 to <1000	≥ 1000	< 3	3 to <10	≥ 10	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C										
Vinyl chloride	< 6	6 to <60	≥ 60	< 0.2	NS	≥ 0.2	0.051 U	0.511 U	0.051 U	**0.069**
Other										
1,1-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	0.079 U
trans-1,2-Dichloroethene	NS	NS	NS	NS	NS	NS	0.079 U	0.793 U	0.079 U	**0.099**
Non-Chlorinated VOCs										
Benzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**2.04**	**0.767**	**1.5**	**3.29**
Ethylbenzene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.19**	0.869 U	**1.09**	**1.26**
m,p-Xylenes	< 200	200 to <2,000	≥ 2,000	< 6	6 to <20	≥ 20	**4.91**	1.74 U	**4.52**	**5**
o-Xylene	< 60	60 to <600	≥ 600	< 2	2 to <10	≥ 10	**1.9**	0.869 U	**1.75**	**1.89**
Toluene	< 300	300 to <3,000	≥ 3,000	< 10	10 to <50	≥ 50	**5.09**	**1.35**	**4.03**	**8.33**
Xylene (Total)	NS	NS	NS	NS	NS	NS	**6.78**	0.869 U	**6.3**	**6.86**

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APPENDIX C - TABLE 2
SUMMARY OF OUTDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Group	Building TR4				Building TR5				
Location Name	TR4-OA-1AA	TR4-OA-1AA	TR4-OA-20240109	TR4-OA-20241211	TR5-OA-1-20211210	TR5-OA-1-20221221	TR5-OA-1AA	TR5-OA-1AA	TR5-OA-1AA
Sample Name	TR4-OA-1	TR4-OA-1	TR4-OA-20240109	TR4-OA-20241211	TR5-OA-1-20211210	TR5-OA-1-20221221	TR5-OA-1	TR5-OA-1	TR5-OA-1
Sample Date	12/06/2017	03/02/2018	01/09/2024	12/11/2024	12/10/2021	12/21/2022	12/07/2017	03/05/2018	04/01/2021
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
							L2116860-21	L2116860-21	L2116860-21
	SC42208-14	SC42208-14					SC42333-11	SC42333-11	SC42333-11
Lab Sample ID	SC44511-11	SC44511-11	L2402049-27	L2473696-20	L2168305-18	L2272321-13	SC44594-13	SC44594-13	SC44594-13
Soil Description	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Volatile Organic Compounds SIM (ug/m3)									
Matrix A									
1,1-Dichloroethene	0.08 U	**0.01 J**	0.079 U	0.079 U	0.079 U	0.079 U	0.08 U	0.08 U	0.079 U
cis-1,2-Dichloroethene	0.4 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U	0.4 U	0.4 U	0.079 U
Carbon tetrachloride	**0.25**	**0.25**	**0.421**	**0.554**	**0.547**	**0.421**	**0.28**	**0.22**	**0.44**
Trichloroethene	**0.37**	**0.07**	0.107 U	0.107 U	0.107 U	**0.172**	**0.13**	0.11 U	0.107 U
Matrix B									
1,1,1-Trichloroethane	0.55 U	0.55 U	0.109 U	0.109 U	0.109 U	0.109 U	0.55 U	0.55 U	0.109 U
Tetrachloroethene	**0.04 J**	0.14 U	0.136 U	**0.163**	**0.461**	**0.59**	**0.09 J**	0.14 U	0.136 U
Methylene chloride (Dichloromethane)	**0.27 J**	0.35 U	1.74 U	1.74 U	1.74 U	1.74 U	0.35 U	0.35 U	1.74 U
Matrix C									
Vinyl chloride	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U	0.05 U	0.05 U	0.051 U
Other									
1,1-Dichloroethane	0.08 U	**0.01 J**	0.081 U	0.081 U	0.081 U	0.081 U	**0.02 J**	0.08 U	0.081 U
trans-1,2-Dichloroethene	0.4 U	0.4 U	0.079 U	**0.079**	0.079 U	0.079 U	0.4 U	**0.53**	0.079 U
Non-Chlorinated VOCs									
Benzene	**0.41**	**0.51**	**0.495**	**0.674**	**0.565**	**0.588**	**0.52**	**0.53**	-
Ethylbenzene	**1.57**	0.43 UJ	**0.126**	**0.161**	**0.135**	**0.182**	**2.48**	0.43 UJ	-
m,p-Xylenes	**3.45**	0.87 UJ	**0.321**	**0.334**	**0.391**	**0.521**	**5.72**	0.87 UJ	-
o-Xylene	**1.27**	0.43 UJ	**0.139**	**0.139**	**0.156**	**0.213**	**2.01**	0.43 UJ	-
Toluene	**1.8**	0.38 U	**0.516**	**0.659**	**0.595**	**0.957**	**2.6**	0.38 U	-
Xylene (Total)	-	-	**0.46**	**0.473**	**0.547**	**0.734**	-	-	-

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APPENDIX C - TABLE 2
SUMMARY OF OUTDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Group	Building TR5		Building TR5A			Building TR6A			Building TR6A
Location Name	TR5-OA-20240110	TR5-OA-20241213	TR5A-OA-1-20221222	TR5A-OA-1AA	TR5A-OA-20240111	TR6A-OA-1-20211208	TR6A-OA-1-20221220	TR6A-OA-1AA	TR6A-OA-1AA
Sample Name	TR5-OA-20240110	TR5-OA-20241213	TR5A-OA-1-20221222	TR5A-OA-1-20220831	TR5A-OA-20240111	TR6A-OA-1-20211208	TR6A-OA-1-20221220	TR6A-OA-1	TR6A-OA-1
Sample Date	01/10/2024	12/13/2024	12/22/2022	08/31/2022	01/11/2024	12/08/2021	12/20/2022	12/11/2017	03/30/2021
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Lab Sample ID	L2402049-39	L2473696-51	L2272323-13	L2247390-06	L2402049-52	L2167799-13	L2271728-09	L2116079-03 SC42329-16	L2116079-03 SC42329-16
Soil Description	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air		Outdoor Air	Outdoor Air	Outdoor Air
Volatile Organic Compounds SIM (ug/m3)									
Matrix A									
1,1-Dichloroethene	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.08 U	0.079 U
cis-1,2-Dichloroethene	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.4 U	0.079 U
Carbon tetrachloride	**0.409**	**0.484**	**0.51**	**0.434**	**0.497**	**0.415**	**0.44**	**0.27**	**0.396**
Trichloroethene	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	**0.02 J**	0.107 U
Matrix B									
1,1,1-Trichloroethane	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.55 U	0.109 U
Tetrachloroethene	**0.332**	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	**0.03 J**	0.136 U
Methylene chloride (Dichloromethane)	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**0.32 J**	1.74 U
Matrix C									
Vinyl chloride	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.05 U	0.051 U
Other									
1,1-Dichloroethane	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.08 U	0.081 U
trans-1,2-Dichloroethene	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.4 U	0.079 U
Non-Chlorinated VOCs									
Benzene	**0.457**	**0.409**	**0.441**	**0.367**	**0.406**	**0.342**	0.319 U	**0.33**	-
Ethylbenzene	**0.256**	0.087 U	**0.126**	**0.313**	0.087 U	**0.109**	**0.087**	0.43 U	-
m,p-Xylenes	**0.973**	**0.182**	**0.321**	**1.03**	**0.208**	**0.308**	**0.256**	0.87 U	-
o-Xylene	**0.421**	**0.087**	**0.122**	**0.4**	**0.091**	**0.126**	**0.087**	0.43 U	-
Toluene	**0.482**	0.377 U	**0.524**	**1.54**	0.377 U	**0.399**	0.377 U	**0.36 J**	-
Xylene (Total)	**1.39**	**0.269**	**0.443**	**1.43**	**0.3**	**0.434**	**0.343**	-	-

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APPENDIX C - TABLE 2
SUMMARY OF OUTDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Group	Building TR7							Building TR12
Location Name	TR7-OA-1-20211207	TR7-OA-1-20221219	TR7-OA-1AA	TR7-OA-1AA	TR7-OA-1AA	TR7-OA-20240108	TR7-OA-20241210	TR12-OA-1-20211209
Sample Name	TR7-OA-1-20211207	TR7-OA-1-20221219	TR7-OA-1	TR7-OA-1	TR7-OA-1	TR7-OA-20240108	TR7-OA-20241210	TR12-OA-1-20211209
Sample Date	12/07/2021	12/19/2022	12/08/2017	03/08/2018	04/02/2021	01/08/2024	12/10/2024	12/09/2021
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
			L2116861-19	L2116861-19	L2116861-19			
			SC42337-11	SC42337-11	SC42337-11			
Lab Sample ID	L2167437-17	L2271721-17	SC44641-11	SC44641-11	SC44641-11	L2402049-13	L2473696-13	L2168305-05
Soil Description		Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Volatile Organic Compounds SIM (ug/m3)								
Matrix A								
1,1-Dichloroethene	0.079 U	0.079 U	0.08 U	0.08 U	0.079 U	0.079 U	0.079 U	0.079 U
cis-1,2-Dichloroethene	0.079 U	0.079 U	0.4 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U
Carbon tetrachloride	**0.604**	**0.478**	**0.3**	**0.19**	**0.421**	**0.503**	**0.541**	**0.585**
Trichloroethene	0.107 U	0.107 U	**0.09 J**	0.11 U	0.107 U	0.107 U	0.107 U	0.107 U
Matrix B								
1,1,1-Trichloroethane	0.109 U	0.109 U	0.55 U	0.55 U	0.109 U	0.109 U	0.109 U	0.109 U
Tetrachloroethene	0.136 U	0.136 U	0.14 U	**0.14**	0.136 U	**0.19**	0.136 U	0.136 U
Methylene chloride (Dichloromethane)	**1.87**	1.74 U	0.35 U	**1.67**	1.74 U	1.74 U	1.74 U	1.74 U
Matrix C								
Vinyl chloride	0.051 U	0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U	0.051 U
Other								
1,1-Dichloroethane	0.081 U	0.081 U	**0.03 J**	0.08 U	0.081 U	0.081 U	0.081 U	0.081 U
trans-1,2-Dichloroethene	0.079 U	0.079 U	0.4 U	0.4 U	0.079 U	0.079 U	0.079 U	0.079 U
Non-Chlorinated VOCs								
Benzene	**0.751**	**0.39**	**0.52**	**0.54**	-	**0.706**	**0.664**	0.319 U
Ethylbenzene	**0.117**	**0.087**	0.43 U	0.43 U	-	**0.282**	**0.282**	0.087 U
m,p-Xylenes	**0.374**	**0.191**	0.87 U	0.87 U	-	**0.817**	**0.925**	0.174 U
o-Xylene	**0.148**	0.087 U	0.43 U	0.43 U	-	**0.269**	**0.252**	0.087 U
Toluene	**0.788**	**0.433**	**0.39**	**0.53**	-	**1.05**	**0.757**	0.377 U
Xylene (Total)	**0.521**	**0.191**	-	-	-	**1.09**	**1.18**	0.087 U

Notes and Abbreviations:

-: Not Analyzed
µg/m3: micrograms per cubic meter
J: value is estimated.
NA: Not Applicable
U: not detected, value is the reporting limit.

All results displayed in µg/m3.
***Bold** text indicates a detection above the method detection limit.*

APPENDIX C - TABLE 2
SUMMARY OF OUTDOOR AIR ANALYTICAL RESULTS
CARRIER THOMPSON ROAD FACILITY
SYRACUSE, NEW YORK

Location Group	Building TR12					Building TR19				
Location Name	TR12-OA-1-20221220	TR12-OA-1AA	TR12-OA-1AA	TR12-OA-1AA	TR12-OA-20240109	TR19-OA-1-20211217	TR19-OA-1AA	TR19-OA-1AA	TR19-OA-1AA	TR19-OA-20241212
Sample Name	TR12-OA-1-20221220	TR12-OA-1	TR12-OA-1	TR12-OA-1	TR12-OA-20240109	TR19-OA-1-20211217	TR19-OA-1	TR19-OA-1	TR19-OA-1	TR19-OA-20241212
Sample Date	12/20/2022	12/11/2017	03/13/2018	03/30/2021	01/09/2024	12/17/2021	12/05/2017	03/07/2018	03/31/2021	12/12/2024
Sample Type	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
		L2116079-06	L2116079-06	L2116079-06			L2116379-16	L2116379-16	L2116379-16	
		SC42329-15	SC42329-15	SC42329-15			SC42209-15	SC42209-15	SC42209-15	
Lab Sample ID	L2271728-12	SC44770-09	SC44770-09	SC44770-09	L2402049-18	L2169938-19	SC44597-17	SC44597-17	SC44597-17	L2473696-37
Soil Description	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air
Volatile Organic Compounds SIM (ug/m3)										
Matrix A										
1,1-Dichloroethene	0.079 U	0.08 U	0.08 U	0.079 U	0.079 U	0.079 U	0.08 U	0.08 U	0.079 U	0.079 U
cis-1,2-Dichloroethene	0.079 U	0.4 U	0.4 U	0.079 U	**0.159**	0.079 U	0.4 U	0.4 U	0.079 U	0.079 U
Carbon tetrachloride	**0.465**	**0.25**	**0.06 J**	**0.39**	**0.547**	**0.541**	**0.43**	**0.19**	**0.384**	**0.522**
Trichloroethene	0.107 U	**0.04 J**	**0.05 J**	0.107 U	**0.607**	0.107 U	**0.11**	0.11 U	0.107 U	0.107 U
Matrix B										
1,1,1-Trichloroethane	0.109 U	0.55 U	0.55 U	0.109 U	0.109 U	0.109 U	**0.22 J**	0.55 U	0.109 U	0.109 U
Tetrachloroethene	0.136 U	**0.01 J**	**0.07 J**	**0.183**	0.136 U	0.136 U	**0.06 J**	**0.07 J**	0.136 U	0.136 U
Methylene chloride (Dichloromethane)	1.74 U	**0.39**	**0.52**	1.74 U	**1.78**	1.74 U	**0.52**	0.35 U	1.74 U	1.74 U
Matrix C										
Vinyl chloride	0.051 U	0.05 U	0.05 U	0.051 U	0.051 U	0.051 U	0.05 U	0.05 U	0.051 U	0.051 U
Other										
1,1-Dichloroethane	0.081 U	0.08 U	0.08 U	0.081 U	0.081 U	0.081 U	**0.07 J**	0.08 U	0.081 U	0.081 U
trans-1,2-Dichloroethene	0.079 U	0.4 U	0.4 U	0.079 U	0.079 U	0.079 U	0.4 U	0.4 U	0.079 U	0.079 U
Non-Chlorinated VOCs										
Benzene	**0.319**	**0.33**	**0.7**	-	**0.527**	**0.355**	**0.41**	**0.83**	-	**0.323**
Ethylbenzene	**0.148**	0.43 U	0.43 U	-	**0.165**	**0.087**	0.43 U	0.43 U	-	0.087 U
m,p-Xylenes	**0.413**	0.87 U	0.87 U	-	**0.439**	**0.222**	0.87 U	0.87 U	-	0.174 U
o-Xylene	**0.156**	0.43 U	**0.3**	-	**0.174**	0.087 U	0.43 U	**0.17 J**	-	0.087 U
Toluene	**0.426**	**0.53**	**0.64**	-	**0.803**	**0.407**	**0.31 J**	**0.53 J**	-	0.377 U
Xylene (Total)	**0.569**	-	-	-	**0.612**	**0.222**	-	-	-	0.087 U

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