Soil Vapor Intrusion Assessment

Location:

112 Riverside Drive
Geneseo, New York 14454

Prepared for:

Rochester Earth Inc.
P.O. Box 170
North Chili, NY 14514

LaBella Project No. 2233072

August 18, 2023

LaBella
Powered by partnership.

300 State Street, Suite 201 | Rochester, NY 14614 | p 585-454-6110 | f 585-454-3066

Table of Contents

ACRONYMS AND ABBREVIATIONS

BASE – Building Assessment and Survey Evaluation
eV – Electron Volt
l/min – Liters per minute
MGP - Manufactured Gas Plant
NYSDEC – New York State department of Environmental Conservation
NYSDOH - New York State Department of Health
PID – Photoionization Detector
ppb – Parts per billion
MDL method detection limit
SVIA – Soil Vapor Intrusion Assessment
ug/m^3 – Micrograms per Cubic Meter, equivalent to ppb
USEPA – United States Environmental Protection Agency
VOCs – Volatile Organic Compounds

1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by Rochester Earth Inc., to conduct a Soil Vapor Intrusion Assessment (SVIA) for the property located at located at 112 Riverside Drive in the of Village of Geneseo, Livingston County, New York, hereinafter referred to as the "Site" (see Figure 1). This SVIA has been performed in conformance with the scope and limitations of New York State Department of Health (*NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York* dated October 2006 and subsequent updates (hereinafter referred to as NYSDOH Guidance).

1.1 Objective

The purpose for the SVIA was to assess whether the former use of the Site as a manufactured gas plant (MGP) has impacted the indoor air or subsurface soil vapor at the Site in anticipation of a potential change of ownership, to comply with the conditions of the New York State Department of Environmental Conservation (NYSDEC) Approval Letter for the Site, dated October 16, 2017.

1.2 Special Terms & Conditions

The findings of this SVIA are based on the scope of work and project objectives as stated in LaBella Proposal number P2302568 dated March 31, 2023.

1.3 Limitations & Exceptions

Work associated with this SVIA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella Associates, D.P.C., makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

SVIAs do not generally require an exhaustive assessment of environmental conditions on a property and are generally intended to assess specific potential environmental concerns identified at a site from a previous assessment. The SVIA is not intended to delineate the nature and extent of contamination at the site, nor address complex geological settings, the fate and transport characteristics of certain hazardous substances. physical limitations imposed by the location of utilities and other man-made objects, and the limitations of assessment technologies.

Please note that SVI samples can be collected any time of the year, but samples collected during the heating season (November 15th to March 31st) is when SVI is more likely to occur when a building's heating system is in operation and doors and windows typically remain closed. Typically, chemicals of concerns are identified at the highest concentrations during this time. The SVI and indoor air samples were collected on July 31, 2023 and it was noted that the windows were closed during air sampling. As such, sample results could be higher during the heating season.

In addition, LaBella cannot provide guarantees, certifications, or warranties that the property is or is not free of environmental impairment. The Client shall be aware that the data and representative samples from any given sampling point may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 BACKGROUND

2.1 Site Description & Features

Based on information obtained from Final Site Characterization Report by Arcadis, dated October 12, 2017, a single structure covers most of the site, which incorporates the two-story former MGP gas production building. The original MGP production building comprises the west side of the existing building, with a newer commercial building attached to the east side, presumably constructed by Champion Products, Inc. who owned the property prior to FTT Manufacturing until 1994. Paved parking areas surround the building on the west, south, and east sides. Based on historical Sanborn maps and the current building configuration, the new portion of the building appears to cover the footprint of a former gas holder associated with the MGP.

2.2 Site History & Land Use

Based on information obtained from the Final Site Characterization Report by Arcadis, dated October 12, 2017:

- Details provided in a title search prepared by Stewart Title Insurance Company indicated that Geneseo Gas Light Company purchased the 112 Riverside Drive property in 1904. The Riverside Drive MGP was subsequently built sometime between 1904 and 1906 (it is first shown on the 1906 Sanborn map). The Riverside Drive MGP appears to have started production in 1906 (the year that the Park Street MGP was shut down), and operated until around 1923 when the property was sold to Belden & Company, Inc. (Belden).

- Belden owned the former MGP property from 1923 until 1945. The 1906 Sanborn shows the plant as consisting of a single gas plant building and a single gas holder located east-southeast of the building. From north to south, the building contained a coal house, retorts, boiler/ furnace, condenser, purifying house, and meter room. Based on the mapped divisions within the building and the existence of a single gas holder, it is likely that the plant used the coal carbonization method of gas production.

- A railroad spur ran along the west side of the building and connected to a north-south railroad line that was located where Riverside Drive exists today. Standard Oil of New York (Standard Oil) owned and operated a petroleum bulk storage and distribution facility on the property to the north of the former MGP from circa 1913 until at least 1938 (i.e., was operated for fuel storage/distribution at least 15 years after the former MGP operations were ceased). Several un-named structures existed immediately north of the MGP plant on the Standard Oil property. No significant changes to the MGP facility or immediate surroundings are shown on the 1913 Sanborn; however, three oil storage tanks existed on the property owned by Standard Oil.

- The gas holder from the former MGP is not shown on the 1930 Sanborn map and the former MGP building is labeled as “miscellaneous storage”. The 1930 Sanborn map also shows a petroleum tank farm, including four steel bulk storage tanks and a filling station on the property owned by Standard Oil where the un-named structures previously existed. The 1938 Sanborn map shows no changes to the former MGP structure or immediate surroundings. The 1949 Sanborn map identifies the former gas building as “fertilizer storage”.

- Per the title search, R.M. Sanderson Company, Inc. owned the former MGP property from 1949 through 1950. Use of the former gas building for the storage of fertilizer was not documented until approximately 26 years after the Geneseo Gas Light Company sold the property. The 1949 Sanborn map also indicates that the petroleum storage facility was replaced by a small building owned by Arbet, Inc. identified as a manufacturer of small transformers.

- The railroad spur and north-south line are also absent in the 1948 map, and a building formerly used as a passenger depot is labeled as "storage and office". The railroad bed appears to have become Riverside Drive. It is suspected that the former MGP building was expanded circa 1960 by Champion Products. FTT Manufacturing, Inc. purchased the site in 1994 and sold it to G&D Enterprises NY LLC in 2013.

2.3 Summary of Previous Studies

LaBella was provided a Final Site Characterization Report by Arcadis, dated October 12, 2017, which stated:

Based on the results from the site characterization completed at the 112 Riverside Drive former MGP site, this SCR supports a determination by the NYSDEC that further remedial investigation is not required. Additionally, based on data collected during the site characterization, conditions at the site related to the former MGP do not appear to pose a significant threat to public health or the environment. This recommendation is further supported by the NY LTANKS List and NY Spills list that report that there are six documented petroleum spills/leaking tanks located as close as 0.001 miles from the site (i.e., adjacent to the site).

LaBella was provided a NYSDEC Approval Letter of the abovementioned Final Site Characterization Report, dated October 17, 2017, which stated:

The Departments concur with the recommendation that no further remedial investigation is required at the site and RG&E's obligations, as set forth in the Voluntary Cleanup Agreement (VCA), have been satisfied relative to the above site. However, based on the results of the soil vapor samples collected at one location within the on-site building, a potential for exposure to soil vapor intrusion to non-MGP contamination currently exists on-site. Therefore, should there be any change of use at the site, a soil vapor intrusion evaluation should be completed at the site and the Departments should be notified of the change in use.

3.0 FIELD INVESTIGATION

3.1 Soil Vapor Intrusion Assessment

Paired soil vapor intrusion/indoor air samples were collected from three (3) locations (i.e., SS-01/IA-01, SS-02/IA-02, and SS-03/IA-03) on July 31, 2023 as shown on Figure 2. Sample locations were selected to cover areas formerly associated with manufactured gas production and provide site-wide coverage. An outdoor air sample (OA-01) was collected from the exterior of the building at an upwind location. For the sub-slab soil vapor samples, a Vapor Pin® was used to construct the sub-slab soil vapor sample point. A Vapor Pin® was installed by coring an approximate 5/8-inch diameter hole through the slab to approximately 1 to 2 inches beneath the floor slab. A 5/8-inch diameter polyethylene tube/gasket and barbed fitting was inserted into the core hole. The polyethylene tube/gasket acted as seal between the sub floor and interior ambient air space around the annulus of the barbed fitting.

A tracer gas (helium) was placed over each sub-slab soil vapor sampling point to ensure that ambient air was not being pulled into the Summa® canister (i.e., sampling vessel) during sampling. This was accomplished by placing a clean stainless-steel enclosure (or equivalent) over the sub-slab sampling points. Non emitting Volatile Organic Compounds (VOCs) modeling clay (or equivalent) was placed on the ground surface around the edge of the enclosure where it contacts the ground to make an air-tight seal. Prior to the purging and sampling activities, a helium tracer gas was released via a small diameter tube, placed through a port on the exterior side of the enclosure. The sub-slab vapor Teflon® tubing that extends up through the air-tight seal to the exterior side of the enclosure was connected to a helium detector to determine the presence of helium gas. If helium was detected at a concentration of 10% or greater, the sample point was resealed and retested prior to sampling. Helium was not detected greater than 10%.

Prior to sampling each sub-slab soil vapor point, approximately three volumes of the combined volume of the sample probe and tubing was purged with a Photoionization Detector (PID) equipped with a 10.6 electronvolt (eV) lamp, to ensure that the samples collected are representative of sub-slab soil vapor conditions. The flow rate during purging did not exceed approximately 0.2 liters per minute (l/min) to minimize outdoor air infiltration.

Sub-slab soil vapor, indoor air, and outdoor ambient air samples were collected utilizing certified-clean 2.7-liter Summa® canisters equipped with laboratory calibrated flow controllers. The samples were collected over an approximate 8-hour time period. The indoor and outdoor air samples were collected at a height of approximately 3 to 5 feet above the floor or ground surface to simulate the breathing zone. Immediately after opening each Summa® canister, the initial vacuum (inches of mercury) and time were noted and recorded on the laboratory chain-of-custody. After approximately 8-hours, final vacuum readings (inches of mercury) were noted and the Summa® canisters were closed. After the sampling work was completed, each penetration in the floor slab was patched with concrete.

As part of the sampling work, the NYSDOH Indoor Air Quality Questionnaire and Building Survey was completed and included in Appendix 1.

3.2 Laboratory Analytical Program

Samples selected for analysis were placed directly into laboratory-supplied containers, preserved as appropriate, submitted to Alpha Analytical in Westborough, Massachusetts, which is a NYSDOH Environmental Laboratory Approval Program (ELAP) certified laboratory under chain-of-custody protocol. A laboratory courier was utilized to transport the samples to the lab. LaBella submitted for the following samples for laboratory analysis.

Sample ID	Sample Location	Sample Matrix	Laboratory Analyses
			TO-15
SS-01	Northwest Corner (Coal House)	Sub-slab Vapor	X
SS-02	South Area (Gas Holder)	Sub-slab Vapor	X
SS-03	East Edge of Building	Sub-slab Vapor	X
IA-01	Northwest Corner (Coal House)	Indoor Air	X
IA-02	South Area (Gas Holder)	Indoor Air	X
IA-03	East Edge of Building	Indoor Air	X
OA-01	Outside	Outside Air	X

Notes:

- TO-15 – VOCs were analyzed using United States Environmental Protection Agency (USEPA) method TO-15

The laboratory analytical reports are included as Appendix 2.

4.0 RESULTS OF SVIA

4.1 Laboratory Analytical Results

The laboratory analytical results have been compared to the following standards:

Air

- The SVI and indoor air sampling results were compared to Table 3.1 Air Guidelines and Decision Matrices included in the NYSDOH Guidance. The Decision Matrices summarize actions recommended to address current and potential exposure related to SVI. These updates are included on the NYSDOH website: https://www.health.ny.gov/environmental/investigations/soil_gas/svi_guidance/.
- For compounds without specific guidance values, typical background levels are used for comparison purposes. The NYSDOH SVI Guidance Appendix C, includes a USEPA 2001 Building Assessment and Survey Evaluation (BASE) Database which provides background levels of commercial and public buildings for comparison purposes. For the purpose of this evaluation, the 90th percentile values were utilized. It should be noted that this database is referenced to provide a relative benchmark for comparison to the indoor air sampling data but does not represent regulatory standards or compliance values. This guidance value is referred to in this report as 90th Percent BASE Background Levels.

4.1.1 Air Sample Results

When comparing the air sample results to the NYSDOH Decision Matrices, no additional actions are recommended to address human exposures. The results are summarized in the attached Table 1.

No compounds were detected at levels above a USEPA 2001 Building Assessment and Survey Evaluation guidance values in indoor air samples. It should be noted that this database is referenced to provide a relative benchmark for comparison to the indoor air sampling data but does not represent regulatory standards or compliance values.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

LaBella was retained by Rochester Earth Inc., to conduct a SVIA for the property located at located at 112 Riverside Drive in the of Village of Geneseo, Livingston County, New York. The SVIA consisted of the collection of paired soil vapor intrusion/indoor air samples from three (1) locations and one (1) outdoor air sample. The objective of the SVIA was to assess whether the former use of the Site as a manufactured gas plant (MGP) has impacted the indoor air or subsurface soil vapor at the Site in anticipation of a potential change of ownership, to comply with the conditions of the New York State Department of Environmental Conservation (NYSDEC) Approval Letter for the Site, dated October 16, 2017. Based on the results above, the following conclusions are made:

- When comparing the air sample results to the NYSDOH Decision Matrices, no additional actions are recommended to address human exposures. This is in concordance with the Final Site Characterization Report by Arcadis, dated October 12, 2017, and NYSDEC Approval Letter of the abovementioned Final Site Characterization Report, dated October 17, 2017.

Based on the NYSDOH Decision Matrices, targeted chemicals of concern were not detected at concentrations that would represent a remedial concern.

5.2 Recommendations

Based on the concentrations of compounds detected in the sub slab and indoor air samples tested as part of the SVIA, and comparison to the NYSDOH Decision Matrices no further investigation and/or remediation is recommended at this time.

A copy of all information collected during this assessment, including maps, notes, analytical data and other material will be kept on file at the offices of LaBella Associates, D.P.C. This information is available upon the request.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Report Prepared By:

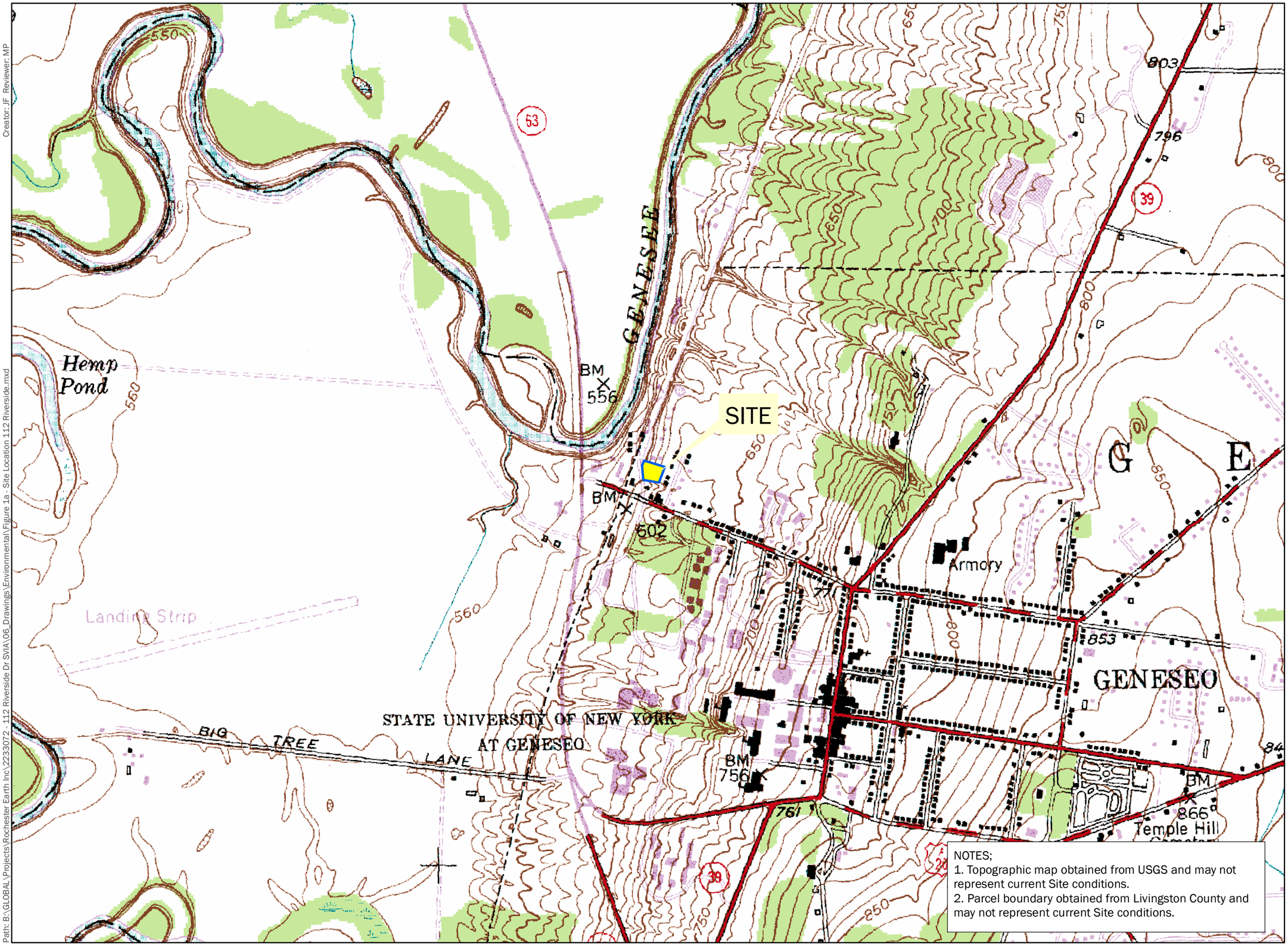
Jeffrey Folger
Environmental Geologist

Report Reviewed By:

Katherine Truong, FG
Jr. Project Manager

B:\GLOBAL\PROJECTS\ROCHESTER EARTH INC\2233072 - 112 RIVERSIDE DR SVIA\11_REPORTS\RPT.2023-08-18.PROJNO2233072_SVIA 112 RIVERSIDE.DOCX

FIGURES



LaBella
Powered by partnership.

ROCHESTER EARTH INC.

SOIL VAPOR INTRUSION ASSESSMENT

N

0 1,000 Feet

1 inch = 1,000 feet

Legend

Approximate Site Boundary

LaBella Project No: 2233072

Date: 8/21/2023

11" x 17"

SITE LOCATION

FIGURE 1

Creator: JF Reviewer: MP

Path: B:\GLOBAL\Projects\Rochester Earth Inc\2233072 - 112 Riverside Dr SVIA\06_Drawings\Environmental\Figure 1a - Site Location 112 Riverside.mxd

NOTES;
1. Aerial imagry obtained from New York State GIS and may not represent current Site conditions.
2. Testing Locations measured from Site features and should be considered approximate.

LaBella
Powered by partnership.

ROCHESTER EARTH INC.

SOIL VAPOR INTRUSION ASSESSMENT

N

0 40 Feet

1 inch = 40 feet

Legend

Testing Locations

LaBella Project No: 2233072

Date: 8/21/2023

11" x 17"

TESTING LOCATIONS

FIGURE 2

Creator: JF Reviewer: MP

Path: B:\GLOBAL\Projects\Rochester Earth Inc\2233072 - 112 Riverside Dr SVIA\06_Drawings\Environmental\Figure 2a - Testing Locations 112 Riverside.mxd

TABLES

Table 1
Soil Vapor Intrusion and Indoor Air Quality Assessment
112 Riverside Drive Geneseo, New York
Rochester Earth Inc.
Summary of Analyzed and Detected Compounds
LaBella Project No. 2233072

Sample ID		NYSDOH Matrix	NYSDOH Guidance Value	EPA BASE*	SS-01	SS-02	SS-03	IA-01	IA-02	IA-03	OA-01
Sample Location					112 Riverside Drive	112 Riverside Drive	112 Riverside Drive	112 Riverside Drive	112 Riverside Drive	112 Riverside Drive	112 Riverside Drive
Sample Date					7/31/2023	7/31/2023	7/31/2023	7/31/2023	7/31/2023	7/31/2023	7/31/2023
Sample Matrix					Sub-Slab	Sub-Slab	Sub-Slab	Indoor-Air	Indoor-Air	Indoor-Air	Outdoor-Air
ANALYTE	CAS				Result	Result	Result	Result	Result	Result	Result
1,1,1-Trichloroethane	71-55-6	B	NV	20.6	**61.7**	**5.1**	**4.11**	**0.868**	**0.955**	**0.9**	ND
1,1,2,2-Tetrachloroethane	79-34-5	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	79-00-5	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	75-34-3	NV	NV	<LOQ	**1.12**	ND	**2.34**	ND	ND	ND	ND
1,1-Dichloroethene	75-35-4	A	NV	<LOQ	**1.12**	ND	**2.34**	ND	ND	ND	ND
1,2,4-Trichlorobenzene	120-82-1	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	95-63-6	NV	NV	9.5	**2.67**	**2.25**	**1.41**	ND	ND	ND	ND
1,2-Dibromoethane	106-93-4	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	95-50-1	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	107-06-2	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	78-87-5	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	108-67-8	NV	NV	3.7	ND	ND	ND	ND	ND	ND	ND
1,3-Butadiene	106-99-0	NV	NV	NV	ND	**0.748**	**7.63**	ND	ND	ND	ND
1,3-Dichlorobenzene	541-73-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	106-46-7	NV	NV	5.5	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	123-91-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	540-84-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
2-Butanone	78-93-3	NV	NV	12	**53.7**	**12.9**	**9.88**	**3.92**	**2.66**	ND	ND
2-Hexanone	591-78-6	NV	NV	NV	ND	ND	**2.63**	ND	ND	ND	ND
3-Chloropropene	107-05-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	622-96-8	NV	NV	3.6	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	108-10-1	NV	NV	6.0	**19.7**	**19.1**	ND	ND	ND	ND	ND
Acetone	67-64-1	NV	NV	98.9	**610**	**166**	**110**	**33.7**	**29.7**	**26.1**	**10.2**
Benzene	71-43-2	NV	NV	9.4	**9.46**	**18.2**	**12.2**	ND	ND	ND	ND
Benzyl chloride	100-44-7	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	75-27-4	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Bromoform	75-25-2	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Bromomethane	74-83-9	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	75-15-0	NV	NV	4.2	**10.2**	**11.9**	**11.6**	ND	ND	ND	ND
Carbon tetrachloride	56-23-5	A	NV	<1.3	ND	ND	ND	**0.497**	**0.547**	**0.562**	**0.516**
Chlorobenzene	108-90-7	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
Chloroethane	75-00-3	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
Chloroform	67-66-3	NV	NV	1.1	ND	ND	ND	**1.74**	**1.6**	ND	ND
Chloromethane	74-87-3	NV	NV	3.7	**0.617**	**0.954**	**1.77**	**1.97**	**2.17**	**1.95**	**1.38**
cis-1,2-Dichloroethene	156-59-2	A	NV	NV	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10061-01-5	NV	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	110-82-7	NV	NV	NV	**30**	**66.1**	**136**	ND	ND	ND	ND
Dibromochloromethane	124-48-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	75-71-8	NV	NV	16.5	**3.21**	**2.82**	**2.95**	**2.76**	**2.87**	**2.63**	**2.84**
Ethanol	64-17-5	NV	NV	210	**256**	**294**	**112**	**10.5**	ND	ND	ND
Ethyl Acetate	141-78-6	NV	NV	5.4	**3.68**	ND	ND	ND	ND	ND	ND
Ethylbenzene	100-41-4	NV	NV	5.7	**3.8**	**3.34**	**1.36**	ND	ND	ND	ND
Freon-113	76-13-1	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Freon-114	76-14-2	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Heptane	142-82-5	NV	NV	NV	**74.2**	**107**	**148**	ND	ND	ND	ND
Hexachlorobutadiene	87-68-3	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Isopropanol (2-Propanol)	67-63-0	NV	NV	250	**94.1**	**46.2**	**13.2**	**1.83**	**1.78**	ND	ND
Methyl tert butyl ether	1634-04-4	NV	NV	11.5	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	75-09-2	B	60	10	**1.99**	**2.13**	**3.06**	ND	ND	**3.61**	ND
n-Hexane	110-54-3	NV	NV	10.2	**146**	**189**	**444**	ND	ND	ND	ND
o-Xylene	95-47-6	NV	NV	7.9	**4.65**	**4.08**	**1.77**	ND	ND	ND	ND
p/m-Xylene	179601-23-1	NV	NV	22.2	**13.5**	**11.8**	**4.82**	ND	ND	ND	ND
Styrene	100-42-5	NV	NV	1.9	**2.06**	**1.69**	ND	ND	ND	ND	ND
Tertiary butyl Alcohol	75-65-0	NV	NV	NV	**83.1**	**38.8**	**130**	ND	ND	ND	ND
Tetrachloroethene (PERC)	127-18-4	B	30	15.9	ND	**1.78**	**40.3**	**0.19**	**0.278**	ND	ND
Tetrahydrofuran	109-99-9	NV	NV	NV	**7.93**	**7.11**	**4.98**	**8.61**	ND	ND	ND
Toluene	108-88-3	NV	NV	43	**104**	**88.9**	**29.6**	**1.63**	**1.67**	**2.29**	ND
trans-1,2-Dichloroethene	156-60-5	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10061-02-6	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	79-01-6	A	2	4.2	**2.18**	**1.57**	ND	ND	**0.107**	ND	ND
Trichlorofluoromethane	75-69-4	NV	NV	18.1	**2.66**	**2.53**	**1.78**	**1.56**	**1.62**	ND	**1.33**
Vinyl bromide	593-60-2	NV	NV	NV	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	75-01-4	C	NV	<LOQ	ND	ND	ND	ND	ND	ND	ND

Table Notes:
All values displayed in micrograms per cubic meter (ug/m^3)
VOCs analyzed by USEPA Method TO-15
*United States Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database Value for Background Concentration (90th Percentile)
^From New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (and subsequent updates)
"NV" Indicates no NYSDOH Matrix, Guidance Value, or EPA BASE Datatbase Value for this Compound
Bold indicates concentration above Laboratory Method Detection Limit (MDL)

APPENDIX 1

Field Logs

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: SS-01

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor, near SV-6

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 2392 **Flow Controller Serial No.:** 02274

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** Sub Slab

	Start	Stop
Canister Pressure Gauge Reading:	-29.41	-8.39
Sample Time:	0832	1610

Sample Monitoring Information

Time	Gauge (inHg)
1030	-23.45
1201	-20.01
1308	-16.89
1400	-14.49
1508	-11.26

Notes:

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: IA-01

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor near SV-6

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 3239 **Flow Controller Serial No.:** 02000

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 0 ft

	Start	Stop
Canister Pressure Gauge Reading:	-29.70	-9.05
Sample Time:	0847	1610

Sample Monitoring Information

Time	Gauge (inHg)
1030	-24.25
1201	-20.86
1308	-17.67
1358	-15.32
1509	-12.08

Notes:

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: SS-02

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor, near SV-01

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 7/31/2023 **Flow Controller Serial No.:** 1631

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 0 ft

	Start	Stop
Canister Pressure Gauge Reading:	-29.74	-8.98
Sample Time:	0836	1557

Sample Monitoring Information

Time	Gauge (inHg)
1100	-23.38
1059	-20.69
1310	-17.22
1402	-14.79
1505	-11.58
1557	-8.98

Notes:

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: IA-02

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor near SV-7

Sample Source: X **Indoor Air** ____ **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas**

____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 546 **Flow Controller Serial No.:** 01743

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 3 ft ags

	Start	Stop
Canister Pressure Gauge Reading:	-29.38	-8.27
Sample Time:	0837	1556

Sample Monitoring Information

Time	Gauge (inHg)
1055	-22.98
1158	-20.06
1310	-16.57
1402	-14.06
1505	-10.76

Notes:

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: SS-03

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor, near SV-1

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 200 **Flow Controller Serial No.:** 01719

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 0 ft

	Start	Stop
Canister Pressure Gauge Reading:	-29.65	-4.32
Sample Time:	0838	1158

Sample Monitoring Information

Time	Gauge (inHg)
1050	-9.76
1158	-4.32

Notes:

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: IA-03

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: 1st floor near SV-1

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 22201 **Flow Controller Serial No.:** 01163

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 3 ft - ags

	Start	Stop
Canister Pressure Gauge Reading:	-29.98	-20.04
Sample Time:	0845	1158

Sample Monitoring Information

Time	Gauge (inHg)	Notes:
1032	-23.59	*equipment malfunction*
1158	-20.04	

LaBella
Powered by partnership.

AIR SAMPLe log

Sample No.: OA-01

Project Information

Project: Soil Vapor Intrustion Assessment **LaBella Project No.:** 2233072

Address: 112 Riverside Drive **Town/City:** Geneseo **State:** New York

Client: Rochester Earth Inc. **County:** Livingston

Sampled By: M. Vazquez **Weather:** Sunny 70

General Information

Sample Canister Location: Outside, near SV-6

Sample Source: ____ **Indoor Air** X **Sub-Slab** ____ **Exterior Ambient Air** ____ **Exterior Soil Gas** ____ **Other**

Laboratory: Alpha Analytical

Canister Type: ____ **1.0 L Summa Canister** ____ **6.0 L Summa Canister** **Other (specify):** 2.7 L Summa

Canister Serial No.: 327 **Flow Controller Serial No.:** 01632

Sampling Information

Sample Date(s): 7/31/2023 **Sample Height / Depth:** 0 ft

	Start	Stop
Canister Pressure Gauge Reading:	-29.34	
Sample Time:	0849	

Sample Monitoring Information

Time	Gauge (inHg)
1100	-23.04
1205	-19.8
1315	-16.78
1405	-14.47

Notes:

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 Maritza Vazquez Date/Time Prepared 07/31 @ 8:50 AM

Preparer's Affiliation LaBella Phone No. ~~585 713-0347~~ 585-454-6110

Purpose of Investigation SVIA

1. OCCUPANT:

Interviewed: Y / (N) unoccupied

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: Alex

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
Industrial	Church	Other: unoccupied not residential

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:_____

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 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

_____

_____

_____

Airflow near source

_____

_____

_____

Outdoor air infiltration

_____

_____

_____

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:	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 tile / carpet	
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: 0 (feet)

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

MV 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.

_____

_____

_____

_____

7. OCCUPANCY Unoccupied

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	_____
2nd Floor	_____
3rd Floor	_____
4th Floor	_____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / N loading dock

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

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

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

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

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

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

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

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

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

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: Cat pee, Muggy

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: NA

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

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

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

11. FLOOR PLANS -see attached

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

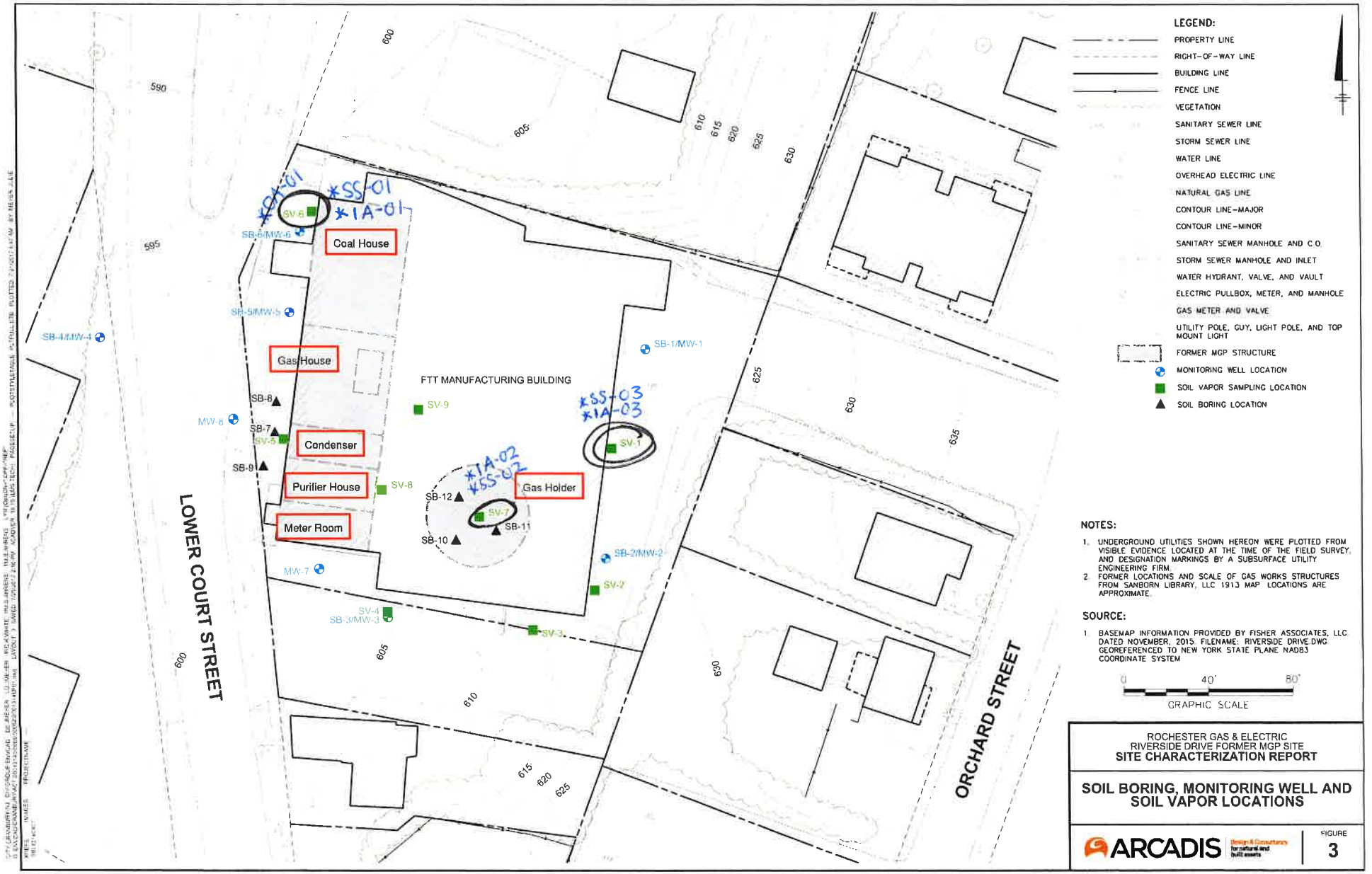
Basement:

First Floor:

12. OUTDOOR PLOT - see attached

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

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



NOTES:

1. UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM VISIBLE EVIDENCE LOCATED AT THE TIME OF THE FIELD SURVEY, AND DESIGNATION MARKINGS BY A SUBSURFACE UTILITY ENGINEERING FIRM.
2. FORMER LOCATIONS AND SCALE OF GAS WORKS STRUCTURES FROM SANBORN LIBRARY, LLC 1913 MAP. LOCATIONS ARE APPROXIMATE.

SOURCE:

1. BASEMAP INFORMATION PROVIDED BY FISHER ASSOCIATES, LLC. DATED NOVEMBER, 2015. FILENAME: RIVERSIDE DRIVE.DWG GEOREFERENCED TO NEW YORK STATE PLANE NAD83 COORDINATE SYSTEM

ROCHESTER GAS & ELECTRIC
RIVERSIDE DRIVE FORMER MGP SITE
SITE CHARACTERIZATION REPORT

SOIL BORING, MONITORING WELL AND SOIL VAPOR LOCATIONS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

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
1st floor	Seal Krete Concrete + Wood Paint	1 gallon	Opened (U)	see photo		Y
	Lysol (11)	24oz	Opened (U)	see photo		Y
	Cleaner / Degreaser (11)	32oz	Opened (U)	see photo		Y
	Pro Mar 200 / Latex	123oz	U	see photo		Y
	Armor Seal / floor coating	5g	U			
	Proline / Latex - Semi Gloss	18.92L	U			
	Interior / latex wall + trim paint	116 oz	U			
	garage floor enamel acrylic latex	3.78L	U O			
	Super Paint / acrylic latex	3.66L	U Ø			
	BenMoore / Paint	116oz	U O			
	Lais Totally Awesome Cleaner with Bleach	32oz	U			
	Great Value Bathroom Cleaner (11)	32oz	U			
	Clorox - disinfecting wipes	78 wet wipes	U			
	Lais totally awesome window clean	32oz	U			
	Clorox - Cleaner / Bleach	32oz	U			

* 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.

APPENDIX 2

Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2344026
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Katherine Truong
Phone:	(585) 402-7049
Project Name:	SVIA
Project Number:	2233072
Report Date:	08/16/23

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (99110) , NJ (MA015), NY (11627), NC (685), OH (CL106), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708), USFWS (Permit #206964).

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

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344026-01	SS-01	SOIL_VAPOR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 16:10	07/31/23
L2344026-02	SS-02	SOIL_VAPOR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 15:37	07/31/23
L2344026-03	SS-03	SOIL_VAPOR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 11:58	07/31/23
L2344026-04	IA-01	AIR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 16:10	07/31/23
L2344026-05	IA-02	AIR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 15:56	07/31/23
L2344026-06	IA-03	AIR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 11:58	07/31/23
L2344026-07	OA-01	AIR	SVIA - 112 RIVERSIDE DRIVE GENESEO, NY	07/31/23 16:30	07/31/23

Project Name:	SVIA	**Lab Number:**	L2344026
Project Number:	2233072	**Report Date:**	08/16/23

Case Narrative

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

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

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

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

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

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

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 26, 2023. The canister certification results are provided as an addendum.

L2344026-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2344026-06D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

The WG1816198-3 LCS recovery for 1,2,4-trichlorobenzene (132%), associated with L2344026-01, -02, -03D, -04, -05, -06D, and -07, 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: 08/16/23

AIR

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-01
Client ID: SS-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 09:07
Analyst: RAY

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

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								
Dichlorodifluoromethane	0.649	0.200	--	3.21	0.989	--		1
Chloromethane	0.299	0.200	--	0.617	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	136	5.00	--	256	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	257	1.00	--	610	2.38	--		1
Trichlorofluoromethane	0.473	0.200	--	2.66	1.12	--		1
Isopropanol	38.3	0.500	--	94.1	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	27.4	0.500	--	83.1	1.52	--		1
Methylene chloride	0.573	0.500	--	1.99	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.28	0.200	--	10.2	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	0.277	0.200	--	1.12	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	18.2	0.500	--	53.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-01
Client ID: SS-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	1.02	0.500	--	3.68	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.69	0.500	--	7.93	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	41.5	0.200	--	146	0.705	--		1
1,1,1-Trichloroethane	11.3	0.200	--	61.7	1.09	--		1
Benzene	2.96	0.200	--	9.46	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	8.73	0.200	--	30.0	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.406	0.200	--	2.18	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	18.1	0.200	--	74.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.81	0.500	--	19.7	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	27.6	0.200	--	104	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.874	0.200	--	3.80	0.869	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-01
Client ID: SS-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

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								
p/m-Xylene	3.11	0.400	--	13.5	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.485	0.200	--	2.06	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.07	0.200	--	4.65	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.543	0.200	--	2.67	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-02
Client ID: SS-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 04:39
Analyst: RAY

Date Collected: 07/31/23 15:37
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.570	0.200	--	2.82	0.989	--		1
Chloromethane	0.462	0.200	--	0.954	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.338	0.200	--	0.748	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	156	5.00	--	294	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	69.7	1.00	--	166	2.38	--		1
Trichlorofluoromethane	0.451	0.200	--	2.53	1.12	--		1
Isopropanol	18.8	0.500	--	46.2	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	12.8	0.500	--	38.8	1.52	--		1
Methylene chloride	0.612	0.500	--	2.13	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.82	0.200	--	11.9	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.38	0.500	--	12.9	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-02
Client ID: SS-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 15:37
Date Received: 07/31/23
Field Prep: Not Specified

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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.41	0.500	--	7.11	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	53.7	0.200	--	189	0.705	--		1
1,1,1-Trichloroethane	0.935	0.200	--	5.10	1.09	--		1
Benzene	5.71	0.200	--	18.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	19.2	0.200	--	66.1	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.293	0.200	--	1.57	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	26.2	0.200	--	107	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	4.66	0.500	--	19.1	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	23.6	0.200	--	88.9	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.263	0.200	--	1.78	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.769	0.200	--	3.34	0.869	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-02
Client ID: SS-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 15:37
Date Received: 07/31/23
Field Prep: Not Specified

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								
p/m-Xylene	2.72	0.400	--	11.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.398	0.200	--	1.69	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.940	0.200	--	4.08	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.458	0.200	--	2.25	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-03 D
Client ID: SS-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 05:16
Analyst: RAY

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.597	0.278	--	2.95	1.37	--		1.389
Chloromethane	0.858	0.278	--	1.77	0.574	--		1.389
Freon-114	ND	0.278	--	ND	1.94	--		1.389
Vinyl chloride	ND	0.278	--	ND	0.711	--		1.389
1,3-Butadiene	3.45	0.278	--	7.63	0.615	--		1.389
Bromomethane	ND	0.278	--	ND	1.08	--		1.389
Chloroethane	ND	0.278	--	ND	0.734	--		1.389
Ethanol	59.5	6.94	--	112	13.1	--		1.389
Vinyl bromide	ND	0.278	--	ND	1.22	--		1.389
Acetone	46.3	1.39	--	110	3.30	--		1.389
Trichlorofluoromethane	0.317	0.278	--	1.78	1.56	--		1.389
Isopropanol	5.37	0.694	--	13.2	1.71	--		1.389
1,1-Dichloroethene	ND	0.278	--	ND	1.10	--		1.389
Tertiary butyl Alcohol	43.0	0.694	--	130	2.10	--		1.389
Methylene chloride	0.881	0.694	--	3.06	2.41	--		1.389
3-Chloropropene	ND	0.278	--	ND	0.870	--		1.389
Carbon disulfide	3.74	0.278	--	11.6	0.866	--		1.389
Freon-113	ND	0.278	--	ND	2.13	--		1.389
trans-1,2-Dichloroethene	ND	0.278	--	ND	1.10	--		1.389
1,1-Dichloroethane	0.579	0.278	--	2.34	1.13	--		1.389
Methyl tert butyl ether	ND	0.278	--	ND	1.00	--		1.389
2-Butanone	3.35	0.694	--	9.88	2.05	--		1.389
cis-1,2-Dichloroethene	ND	0.278	--	ND	1.10	--		1.389

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-03 D
Client ID: SS-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

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								
Ethyl Acetate	ND	0.694	--	ND	2.50	--		1.389
Chloroform	ND	0.278	--	ND	1.36	--		1.389
Tetrahydrofuran	1.69	0.694	--	4.98	2.05	--		1.389
1,2-Dichloroethane	ND	0.278	--	ND	1.13	--		1.389
n-Hexane	126	0.278	--	444	0.980	--		1.389
1,1,1-Trichloroethane	0.754	0.278	--	4.11	1.52	--		1.389
Benzene	3.82	0.278	--	12.2	0.888	--		1.389
Carbon tetrachloride	ND	0.278	--	ND	1.75	--		1.389
Cyclohexane	39.6	0.278	--	136	0.957	--		1.389
1,2-Dichloropropane	ND	0.278	--	ND	1.28	--		1.389
Bromodichloromethane	ND	0.278	--	ND	1.86	--		1.389
1,4-Dioxane	ND	0.278	--	ND	1.00	--		1.389
Trichloroethene	ND	0.278	--	ND	1.49	--		1.389
2,2,4-Trimethylpentane	ND	0.278	--	ND	1.30	--		1.389
Heptane	36.2	0.278	--	148	1.14	--		1.389
cis-1,3-Dichloropropene	ND	0.278	--	ND	1.26	--		1.389
4-Methyl-2-pentanone	ND	0.694	--	ND	2.84	--		1.389
trans-1,3-Dichloropropene	ND	0.278	--	ND	1.26	--		1.389
1,1,2-Trichloroethane	ND	0.278	--	ND	1.52	--		1.389
Toluene	7.85	0.278	--	29.6	1.05	--		1.389
2-Hexanone	0.642	0.278	--	2.63	1.14	--		1.389
Dibromochloromethane	ND	0.278	--	ND	2.37	--		1.389
1,2-Dibromoethane	ND	0.278	--	ND	2.14	--		1.389
Tetrachloroethene	5.95	0.278	--	40.3	1.89	--		1.389
Chlorobenzene	ND	0.278	--	ND	1.28	--		1.389
Ethylbenzene	0.314	0.278	--	1.36	1.21	--		1.389

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-03 D
Client ID: SS-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

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								
p/m-Xylene	1.11	0.556	--	4.82	2.42	--		1.389
Bromoform	ND	0.278	--	ND	2.87	--		1.389
Styrene	ND	0.278	--	ND	1.18	--		1.389
1,1,2,2-Tetrachloroethane	ND	0.278	--	ND	1.91	--		1.389
o-Xylene	0.408	0.278	--	1.77	1.21	--		1.389
4-Ethyltoluene	ND	0.278	--	ND	1.37	--		1.389
1,3,5-Trimethylbenzene	ND	0.278	--	ND	1.37	--		1.389
1,2,4-Trimethylbenzene	0.286	0.278	--	1.41	1.37	--		1.389
Benzyl chloride	ND	0.278	--	ND	1.44	--		1.389
1,3-Dichlorobenzene	ND	0.278	--	ND	1.67	--		1.389
1,4-Dichlorobenzene	ND	0.278	--	ND	1.67	--		1.389
1,2-Dichlorobenzene	ND	0.278	--	ND	1.67	--		1.389
1,2,4-Trichlorobenzene	ND	0.278	--	ND	2.06	--		1.389
Hexachlorobutadiene	ND	0.278	--	ND	2.97	--		1.389

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-04
Client ID: IA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 01:20
Analyst: RAY

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.558	0.200	--	2.76	0.989	--		1
Chloromethane	0.952	0.200	--	1.97	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5.57	5.00	--	10.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.2	1.00	--	33.7	2.38	--		1
Trichlorofluoromethane	0.278	0.200	--	1.56	1.12	--		1
Isopropanol	0.745	0.500	--	1.83	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.33	0.500	--	3.92	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.357	0.200	--	1.74	0.977	--		1
Tetrahydrofuran	2.92	0.500	--	8.61	1.47	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-04
Client ID: IA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.432	0.200	--	1.63	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-04
Client ID: IA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-04
Client ID: IA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/16/23 01:20
Analyst: RAY

Date Collected: 07/31/23 16:10
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.159	0.020	--	0.868	0.109	--		1
Carbon tetrachloride	0.079	0.020	--	0.497	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.028	0.020	--	0.190	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-05
Client ID: IA-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 01:59
Analyst: RAY

Date Collected: 07/31/23 15:56
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.580	0.200	--	2.87	0.989	--		1
Chloromethane	1.05	0.200	--	2.17	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.5	1.00	--	29.7	2.38	--		1
Trichlorofluoromethane	0.289	0.200	--	1.62	1.12	--		1
Isopropanol	0.726	0.500	--	1.78	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.901	0.500	--	2.66	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.328	0.200	--	1.60	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-05
Client ID: IA-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY

Date Collected: 07/31/23 15:56
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.442	0.200	--	1.67	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-05
Client ID: IA-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 15:56
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-05
Client ID: IA-02
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/16/23 01:59
Analyst: RAY

Date Collected: 07/31/23 15:56
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.175	0.020	--	0.955	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	0.020	0.020	--	0.107	0.107	--		1
Tetrachloroethene	0.041	0.020	--	0.278	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-06 D
Client ID: IA-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/16/23 03:18
Analyst: RAY

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.532	0.388	--	2.63	1.92	--		1.941
Chloromethane	0.945	0.388	--	1.95	0.801	--		1.941
Freon-114	ND	0.388	--	ND	2.71	--		1.941
1,3-Butadiene	ND	0.388	--	ND	0.858	--		1.941
Bromomethane	ND	0.388	--	ND	1.51	--		1.941
Chloroethane	ND	0.388	--	ND	1.02	--		1.941
Ethanol	ND	9.70	--	ND	18.3	--		1.941
Vinyl bromide	ND	0.388	--	ND	1.70	--		1.941
Acetone	11.0	1.94	--	26.1	4.61	--		1.941
Trichlorofluoromethane	ND	0.388	--	ND	2.18	--		1.941
Isopropanol	ND	0.970	--	ND	2.38	--		1.941
Tertiary butyl Alcohol	ND	0.970	--	ND	2.94	--		1.941
Methylene chloride	1.04	0.970	--	3.61	3.37	--		1.941
3-Chloropropene	ND	0.388	--	ND	1.21	--		1.941
Carbon disulfide	ND	0.388	--	ND	1.21	--		1.941
Freon-113	ND	0.388	--	ND	2.97	--		1.941
trans-1,2-Dichloroethene	ND	0.388	--	ND	1.54	--		1.941
1,1-Dichloroethane	ND	0.388	--	ND	1.57	--		1.941
Methyl tert butyl ether	ND	0.388	--	ND	1.40	--		1.941
2-Butanone	ND	0.970	--	ND	2.86	--		1.941
Ethyl Acetate	ND	0.970	--	ND	3.50	--		1.941
Chloroform	ND	0.388	--	ND	1.89	--		1.941
Tetrahydrofuran	ND	0.970	--	ND	2.86	--		1.941

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-06 D
Client ID: IA-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2-Dichloroethane	ND	0.388	--	ND	1.57	--		1.941
n-Hexane	ND	0.388	--	ND	1.37	--		1.941
Benzene	ND	0.388	--	ND	1.24	--		1.941
Cyclohexane	ND	0.388	--	ND	1.34	--		1.941
1,2-Dichloropropane	ND	0.388	--	ND	1.79	--		1.941
Bromodichloromethane	ND	0.388	--	ND	2.60	--		1.941
1,4-Dioxane	ND	0.388	--	ND	1.40	--		1.941
2,2,4-Trimethylpentane	ND	0.388	--	ND	1.81	--		1.941
Heptane	ND	0.388	--	ND	1.59	--		1.941
cis-1,3-Dichloropropene	ND	0.388	--	ND	1.76	--		1.941
4-Methyl-2-pentanone	ND	0.970	--	ND	3.98	--		1.941
trans-1,3-Dichloropropene	ND	0.388	--	ND	1.76	--		1.941
1,1,2-Trichloroethane	ND	0.388	--	ND	2.12	--		1.941
Toluene	0.608	0.388	--	2.29	1.46	--		1.941
2-Hexanone	ND	0.388	--	ND	1.59	--		1.941
Dibromochloromethane	ND	0.388	--	ND	3.31	--		1.941
1,2-Dibromoethane	ND	0.388	--	ND	2.98	--		1.941
Chlorobenzene	ND	0.388	--	ND	1.79	--		1.941
Ethylbenzene	ND	0.388	--	ND	1.69	--		1.941
p/m-Xylene	ND	0.776	--	ND	3.37	--		1.941
Bromoform	ND	0.388	--	ND	4.01	--		1.941
Styrene	ND	0.388	--	ND	1.65	--		1.941
1,1,2,2-Tetrachloroethane	ND	0.388	--	ND	2.66	--		1.941
o-Xylene	ND	0.388	--	ND	1.69	--		1.941
4-Ethyltoluene	ND	0.388	--	ND	1.91	--		1.941
1,3,5-Trimethylbenzene	ND	0.388	--	ND	1.91	--		1.941

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-06 D
Client ID: IA-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2,4-Trimethylbenzene	ND	0.388	--	ND	1.91	--		1.941
Benzyl chloride	ND	0.388	--	ND	2.01	--		1.941
1,3-Dichlorobenzene	ND	0.388	--	ND	2.33	--		1.941
1,4-Dichlorobenzene	ND	0.388	--	ND	2.33	--		1.941
1,2-Dichlorobenzene	ND	0.388	--	ND	2.33	--		1.941
1,2,4-Trichlorobenzene	ND	0.388	--	ND	2.88	--		1.941
Hexachlorobutadiene	ND	0.388	--	ND	4.14	--		1.941

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-06 D
Client ID: IA-03
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/16/23 03:18
Analyst: RAY

Date Collected: 07/31/23 11:58
Date Received: 07/31/23
Field Prep: Not Specified

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	0.039	--	ND	0.099	--		1.941
1,1-Dichloroethene	ND	0.039	--	ND	0.154	--		1.941
cis-1,2-Dichloroethene	ND	0.039	--	ND	0.154	--		1.941
1,1,1-Trichloroethane	0.165	0.039	--	0.900	0.212	--		1.941
Carbon tetrachloride	0.089	0.039	--	0.562	0.244	--		1.941
Trichloroethene	ND	0.039	--	ND	0.209	--		1.941
Tetrachloroethene	ND	0.039	--	ND	0.263	--		1.941

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-07
Client ID: OA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/15/23 22:44
Analyst: RAY

Date Collected: 07/31/23 16:30
Date Received: 07/31/23
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.574	0.200	--	2.84	0.989	--		1
Chloromethane	0.666	0.200	--	1.38	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.28	1.00	--	10.2	2.38	--		1
Trichlorofluoromethane	0.236	0.200	--	1.33	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-07
Client ID: OA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 16:30
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-07
Client ID: OA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:

Date Collected: 07/31/23 16:30
Date Received: 07/31/23
Field Prep: Not Specified

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

SAMPLE RESULTS

Lab ID: L2344026-07
Client ID: OA-01
Sample Location: SVIA - 112 RIVERSIDE DRIVE GENESEO, NY
Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 08/15/23 22:44
Analyst: RAY

Date Collected: 07/31/23 16:30
Date Received: 07/31/23
Field Prep: Not Specified

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
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/15/23 14:42

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): 01-07 Batch: WG1816198-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/15/23 14:42

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): 01-07 Batch: WG1816198-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 08/15/23 14:42

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): 01-07 Batch: WG1816198-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: SVIA
Project Number: 2233072
Lab Number: L2344026
Report Date: 08/16/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 08/15/23 15:21

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): 04-07 Batch: WG1816201-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1816198-3								
Dichlorodifluoromethane	117		-		70-130	-		
Chloromethane	109		-		70-130	-		
Freon-114	116		-		70-130	-		
Vinyl chloride	110		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	120		-		70-130	-		
Chloroethane	108		-		70-130	-		
Ethanol	79		-		40-160	-		
Vinyl bromide	97		-		70-130	-		
Acetone	111		-		40-160	-		
Trichlorofluoromethane	113		-		70-130	-		
Isopropanol	106		-		40-160	-		
1,1-Dichloroethene	113		-		70-130	-		
Tertiary butyl Alcohol	101		-		70-130	-		
Methylene chloride	113		-		70-130	-		
3-Chloropropene	108		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
Freon-113	112		-		70-130	-		
trans-1,2-Dichloroethene	103		-		70-130	-		
1,1-Dichloroethane	109		-		70-130	-		
Methyl tert butyl ether	110		-		70-130	-		
2-Butanone	112		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1816198-3								
Ethyl Acetate	111		-		70-130	-		
Chloroform	122		-		70-130	-		
Tetrahydrofuran	107		-		70-130	-		
1,2-Dichloroethane	116		-		70-130	-		
n-Hexane	101		-		70-130	-		
1,1,1-Trichloroethane	114		-		70-130	-		
Benzene	110		-		70-130	-		
Carbon tetrachloride	124		-		70-130	-		
Cyclohexane	100		-		70-130	-		
1,2-Dichloropropane	111		-		70-130	-		
Bromodichloromethane	118		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	114		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	111		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	128		-		70-130	-		
trans-1,3-Dichloropropene	108		-		70-130	-		
1,1,2-Trichloroethane	112		-		70-130	-		
Toluene	101		-		70-130	-		
2-Hexanone	107		-		70-130	-		
Dibromochloromethane	112		-		70-130	-		
1,2-Dibromoethane	113		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1816198-3								
Tetrachloroethene	110		-		70-130	-		
Chlorobenzene	111		-		70-130	-		
Ethylbenzene	105		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	114		-		70-130	-		
Styrene	107		-		70-130	-		
1,1,2,2-Tetrachloroethane	116		-		70-130	-		
o-Xylene	109		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	113		-		70-130	-		
1,4-Dichlorobenzene	114		-		70-130	-		
1,2-Dichlorobenzene	121		-		70-130	-		
1,2,4-Trichlorobenzene	**132**	Q	-		70-130	-		
Hexachlorobutadiene	126		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-07 Batch: WG1816201-3								
Vinyl chloride	111		-		70-130	-		25
1,1-Dichloroethene	110		-		70-130	-		25
cis-1,2-Dichloroethene	109		-		70-130	-		25
1,1,1-Trichloroethane	113		-		70-130	-		25
Carbon tetrachloride	115		-		70-130	-		25
Trichloroethene	107		-		70-130	-		25
Tetrachloroethene	104		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1816198-5 QC Sample: L2344026-05 Client ID: IA-02						
Dichlorodifluoromethane	0.580	0.546	ppbV	6		25
Chloromethane	1.05	1.03	ppbV	2		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	12.5	12.4	ppbV	1		25
Trichlorofluoromethane	0.289	0.278	ppbV	4		25
Isopropanol	0.726	0.720	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	0.901	0.907	ppbV	1		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1816198-5 QC Sample: L2344026-05 Client ID: IA-02						
Chloroform	0.328	0.311	ppbV	5		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.442	0.445	ppbV	1		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1816198-5 QC Sample: L2344026-05 Client ID: IA-02						
p/m-Xylene	ND	0.401	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 04-07 QC Batch ID: WG1816201-5 QC Sample: L2344026-05 Client ID: IA-02						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.175	0.174	ppbV	1		25
Carbon tetrachloride	0.087	0.078	ppbV	11		25
Trichloroethene	0.020	0.024	ppbV	18		25
Tetrachloroethene	0.041	0.040	ppbV	2		25

Project Name: SVIA

Project Number: 2233072

Lab Number: L2344026

Report Date: 08/16/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2344026-01	SS-01	02274	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	3.7	20
L2344026-01	SS-01	2392	2.7L Can	07/26/23	431536	L2340690-01	Pass	-29.5	-8.1	-	-	-	-
L2344026-02	SS-02	01631	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.0	12
L2344026-02	SS-02	376	2.7L Can	07/26/23	431536	L2338040-01	Pass	-29.5	-8.6	-	-	-	-
L2344026-03	SS-03	01719	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.0	12
L2344026-03	SS-03	200	2.7L Can	07/26/23	431536	L2340690-01	Pass	-29.5	-4.1	-	-	-	-
L2344026-04	IA-01	02000	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.2	7
L2344026-04	IA-01	3239	2.7L Can	07/26/23	431536	L2340690-01	Pass	-29.5	-8.9	-	-	-	-
L2344026-05	IA-02	01743	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.2	7
L2344026-05	IA-02	546	2.7L Can	07/26/23	431536	L2338040-01	Pass	-29.5	-8.5	-	-	-	-
L2344026-06	IA-03	01163	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.2	7
L2344026-06	IA-03	2201	2.7L Can	07/26/23	431536	L2338040-01	Pass	-29.5	-19.9	-	-	-	-
L2344026-07	OA-01	01632	Flow 4	07/26/23	431536		-	-	-	Pass	4.5	4.0	12
L2344026-07	OA-01	327	2.7L Can	07/26/23	431536	L2340690-01	Pass	-29.5	-7.1	-	-	-	-

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

Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/13/23 19:55
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/13/23 19:55
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2338040
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2338040-01
Client ID: CAN 2859 SHELF 7
Sample Location:

Date Collected: 07/03/23 14:00
Date Received: 07/05/23
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 07/19/23 18:16
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 07/19/23 18:16
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2340690
Report Date: 08/16/23

Air Canister Certification Results

Lab ID: L2340690-01
Client ID: CAN 2821 SHELF 13
Sample Location:

Date Collected: 07/14/23 18:00
Date Received: 07/17/23
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: SVIA
Project Number: 2233072

Lab Number: L2344026
Report Date: 08/16/23

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(*)
L2344026-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2344026-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2344026-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2344026-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2344026-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2344026-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2344026-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	SVIA	**Lab Number:**	L2344026
Project Number:	2233072	**Report Date:**	08/16/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SVIA	**Lab Number:**	L2344026
Project Number:	2233072	**Report Date:**	08/16/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	SVIA	**Lab Number:**	L2344026
Project Number:	2233072	**Report Date:**	08/16/23

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 8/1/23

ALPHA Job #: L2344026

Client Information

Client: Labella Associates
Address: 300 State Street, Unit 201, Rochester, NY
Phone: (585)-454-6110
Fax:
Email: mavazquez@labellapc.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SVIA
Project Location: SVIA - 112 Riverside Drive Geneseo, NY
Project #: 2233072
Project Manager: Kat Troung
ALPHA Quote #:

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs)	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
44026-01	SS-01	7/31	8:32	4:10	-29.41	-8.39	air	mv	2.7L	8392	02274	X						
-02	SS-02	7/31	8:36	3:57	-29.74	-8.98	air	mv	2.7L	376	01631	X						
-03	SS-03	7/31	8:38	11:58	-29.65	-4.32	air	mv	2.7L	300	01719	X						
-04	IA-01	7/31	8:47	4:10	-29.70	-9.05	air	mv	2.7L	3329	02000	X						
-05	IA-02	7/31	8:37	3:56	-29.38	-5.27	air	mv	2.7L	546	01743	X						
-06	IA-03	7/31	8:45	11:58	-29.98	-20.04	air	mv	2.7L	2201	01163	X						
-07	OA-01	7/31	8:49	4:30	-29.34	-6.54	air	mv	2.7L	337	01632	X						

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

Container Type: summa

Relinquished By:	Date/Time	Received By:	Date/Time:
Maritza Vazquez	7/31/23	Jeff Napolitano AAL	7/31/23 17:46
Jeff Napolitano AAL 17:46	7/31/23 17:46 PM	Ed Mendoza	8/1/23 00:20
Ed Mendoza 8/1/23 SO2			8/1/23 DTW
	8/1/23 0610		8/1/23 06:10

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.