August 2023

Soil Vapor Intrusion Sampling Report

March 2023 Sample Event

Prepared for:
Syracusa Sand and Gravel Inc.

Site:
Modock Rd. Springs/DLS Sand & Gravel Inc. Site
Town of Victor, Ontario County, NY
NYSDEC Site No. 8-35-013

MarksEngineering
4303 Routes 5 & 20
Canandaigua, NY 14424

MarksEngineering

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1.0 INTRODUCTION

Marks Engineering, P.C. (Marks Engineering), conducted a soil vapor intrusion (SVI) sampling event in March of 2023 associated with the Modock Rd. Springs/DLS Sand & Gravel, Inc. Site located in the Town of Victor, Ontario County, New York (herein referred to as the "Site"). A Site Plan and SVI Sample Location Map is presented as **Figure 1**.

In accordance with the approved Site Management Plan dated March 2019 (SMP), Marks Engineering distributed request letters (dated March 7, 2023) to perform SVI sampling at two residential homes within the groundwater plume. Access was granted to one residence (7572 Trotwood Lane).

The Site is a New York State Department of Environmental Conservation (NYSDEC) Class 4 Inactive Hazardous Waste Disposal Site (Site No. 8-35-013). The scope of work presented herein is consistent with the SMP, and the NYSDEC Record of Decision (ROD), for the Site. This sample event included collection of SVI samples from 7572 Trotwood Lane. The sampling was conducted as part of the long-term monitoring program at the Site and to evaluate potential SVI at this location.

The SVI sampling was performed in accordance with the New York State Department of Health (NYSDOH) *Guidance for Evaluating Soil Vapor Intrusion in the State of New York,* October 2006. The sampling (coordinated with the NYSDEC, NYSDOH and property owners) conducted in March 2023 consisted of the following:

- Pre-sampling survey
- Installation of six SUMMA® canisters for the collection of ambient (outdoor) air, two indoor air, and sub-slab vapor samples, as well as a duplicate of the first floor indoor air and the sub-slab sample
- Laboratory analysis of the six SUMMA® canister samples
- Preparation of a Data Usability Summary Report (DUSR) by a third party (Environmental Data Useability, Dansville, NY)
- Submittal of electronic data deliverables (EDDs) of the sample event data to the NYSDEC for inclusion in the Site's existing EQuIS database.
- Preparation of a Report (this Report) to summarize the results of the SVI sampling.

2.0 SITE DESCRIPTION AND HISTORY

A detailed description of the Site and History is provided in the SMP. A concise history of the Site is as follows:

The Site is comprised of a 173-acre parcel, currently operating as an active sand and gravel mine operated by Syracusa Sand and Gravel Inc. (SS&G). The Site was acquired by SS&G in 1953. Prior to SS&G's ownership, the property was used for agricultural purposes. The Site operated under the name of D.L.S. Sand and Gravel until 1973 when the corporate name was changed to Syracusa Sand and Gravel Inc. From 1966 to 1971, a portion of the property was leased to Rochester Block, Inc. (NYSDEC, 2010).

A series of investigations at the Site have been conducted starting in approximately 1995. The data from the investigations generally shows that chlorinated volatile organic compounds (CVOCs), including trichloroethene (TCE), 1,1,1-trichloroethane (TCA), and 1,1-dichloroethene (1,1-DCE), were likely released by parties unknown on the property in the 1960s or 1970s and have contributed to both on-site and off-site CVOC contamination in groundwater (NYSDEC, 2010). The soil into which the CVOCs were first released, however, no longer exists on the Site. On the basis of the investigations, in 2001, the NYSDEC listed the Site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. After subsequent site characterization, remedial investigation, feasibility study and remedial alternatives analysis, the NYSDEC's ROD for the Site was issued in 2010 selecting monitored natural attenuation (MNA) as the remedy for the Site. The Site Management Plan (SMP), generated as a requirement of the ROD, was approved by the NYSDEC in March of 2019. In December of 2022, the Site was reclassified by the NYSDEC as a Class 4 Site that "no longer presents a significant threat to public health and/or the environment" (NYSDEC, 2022).

In addition to MNA, the ROD selected the following additional remedial actions for the Site: (a) an Environmental Easement (EE) to restrict the future use of the Site to commercial use and prohibit the future use of the groundwater at the Site; (b) a SMP which will require long-term plume management monitoring (PMM), maintenance of the Sub Slab Depressurization Systems (SSDSs) in several residences, long-term monitoring of soil vapor intrusion in residences requiring monitoring and

periodic review reporting to the NYSDEC; and (c) a contingency for the implementation of a zero valent iron treatment injection to reduce contaminant mass in the area of highest groundwater CVOC concentrations if the results of the PMM program demonstrate that the CVOC groundwater concentrations are at concentrations not acceptable to NYSDEC and are not continuing to decline.

Institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to the remaining residual contamination to ensure protection of public health and the environment. The EE which has been imposed on the Site, and recorded with the Ontario County Clerk, requires compliance with the SMP and all the ECs and ICs placed on the Site in the SMP. A copy of the EE is provided in Appendix A of the SMP.

3.0 SCOPE OF WORK

On March 22 and 23, 2023, Marks Engineering collected six SUMMA® canisters of indoor air, sub-slab vapor, and ambient (outdoor) air samples. Three indoor air samples (including the duplicate of the first floor indoor air sample), two sub-slab samples (including one duplicate), and one ambient air sample were collected at 7572 Trotwood Lane (See **Table 1**). SVI sampling locations are presented in floor plan sketches provided in **Appendix A** and **Appendix B**.

3.1 Pre-Sampling Survey

NYSDOH guidance stipulates that chemical products in buildings must be inventoried when indoor air is sampled to provide an accurate assessment of the potential contribution of products used and stored inside to the indoor air concentrations. In addition, the type of structure, floor layout and physical conditions of the building being studied must be documented. Elements that may influence vapor intrusion into the building include building foundation conditions or utility appurtenances are documented.

Building surveys consisted of identifying utility lines which penetrated building foundations, identifying potential points of SVI through building slabs (e.g., cracks, gaps) using a parts per billion (ppb)-range photoionization detector (PID), and identifying other building construction details that could influence SVI.

Indoor air sampling results can be confounded by ambient or indoor sources of volatile organic compounds (VOCs). Therefore, in addition to the survey elements noted above, the survey included an inventory of potential indoor VOC sources within the sampling area and documentation of occupant activities which may have an effect on indoor air quality. A sample of outside air was also collected to evaluate ambient source contribution to indoor air levels.

As part of each survey, the NYSDOH *Indoor Air Quality Questionnaire and Building Inventory form* was completed. A comprehensive inventory of VOC sources was gathered, which included recording generalized descriptions of the types of materials stored in each area of the building and documenting the conditions using a digital camera and chemical inventory log.

A building floor plan sketch was recorded on the Questionnaire form. This sketch provides details as to the approximate location of potential sources of VOCs, and the sketch also includes locations where indoor air quality levels were measured with a PID. Copies of the completed Indoor Air Quality Questionnaire and Building Inventory forms are presented in **Appendix A**.

Representative photographs taken during the investigation activities are included in a photo log presented as **Appendix B**.

3.2 Soil Vapor Intrusion Sampling Activities

Marks Engineering followed the procedures for SVI sampling as outlined in the Field Sampling Plan (FSP), included as Appendix D of the SMP, for the collection of indoor air, sub-slab soil vapor, and ambient air samples. Samples were collected using 6-liter stainless steel SUMMA® vacuum canisters equipped with laboratory-calibrated fixed rate flow controllers. The flow controllers were calibrated by the laboratory to collect vapor samples for a period of twenty-four hours. Sample collection was terminated before the canister vacuum was exhausted, and the canister vacuum level at the beginning and end of sample collection was recorded on the Soil Vapor Sampling Log for each location (provided in **Appendix C**).

3.2.1 7572 Trotwood Lane

The owner of 7572 Trotwood Lane was available to interview during the SVI sampling and to verify the information collected on the Indoor Air Quality Questionnaire and Building Inventory forms. This two-story cape cod style home does not have a basement. Chemicals observed at this location were limited but included some generic household cleaners stored in the living

space and petroleum containers stored in the attached garage. A detailed list of observed chemicals is presented in **Appendix A**. The sub-slab soil vapor sample was collected near the center of the home in the rear hall where a portion of the concrete slab was exposed. A duplicate sub-slab sample was collected at this location. Potential SVI pathways observed included expansion joints and cracks in the concrete floor; although the majority of the concrete floor in the home was not visible as it was covered with finish flooring in the living areas. For the duplicate sub-slab sample collected at this location, a second canister was set up directly next to the first canister. A stainless-steel manifold fitting "tee fitting" was used to connect both canisters to the same length of Teflon® intake tubing as described in the FSP.

The first floor indoor air sample was collected in close proximity to the sub-slab sample in the adjacent living room. A duplicate indoor air sample was collected at this location. For the duplicate indoor air sample collected at this location, a second canister was set up directly next to the first canister. The indoor air canisters were set atop the living room end table to achieve the required sample collection height.

A second floor indoor air sample was collected in the second floor hallway at the top of the stairs. The indoor air canister was set atop an existing table to achieve the required sample collection height.

An ambient air sample was collected concurrently with the indoor air and sub-slab samples. The ambient air sample was collected outside the structure on the rear lawn area. The sample was placed atop an existing table to achieve the required sample collection height.

4.0 RESULTS AND EVALUATION

This section summarizes and discusses the analytical data collected during the investigation.

4.1 Sample Analyses

Marks Engineering personnel collected six samples from one residential location as described above in Section 3 and on **Table 1**. Samples were submitted to Alpha Analytical (Alpha) in Mansfield, Massachusetts. Alpha is an Environmental Laboratory Analytical Program (ELAP)-certified laboratory, which is also certified by the NYSDOH, for United Stated Environmental Protection Agency (USEPA) Method TO-15.

The samples were analyzed for the standard TO-15 compounds. The sample analytical results are summarized on **Table 2**, which segregates the three CVOCs identified as contaminants of concern in the ROD (TCE, TCA and DCE) from the remainder of the analyzed TO-15 VOCs. Chain-of-custody documentation was maintained throughout sample collection and analysis in accordance with the Quality Assurance Project Plan (QAPP) incorporated as Appendix E of the SMP. The chain of custody form is provided as **Appendix D**. The laboratory reports were provided in both results only and full Category B formats. Copies of the laboratory reports are provided in **Exhibit A** and **Exhibit B**, respectively.

The analytical results were confirmed through an independent validation process; a DUSR was produced for the sample set. As noted in the DUSR (**Exhibit C**), all data was deemed valid and useable; however, some of the data were qualified due to some minor deficiencies.

At the request of the NYSDEC, the laboratory results were also provided in an EDD format. The EDD, which incorporated the validated laboratory results, was submitted to the NYSDEC on May 24, 2023 (see **Exhibit D**).

4.2 Results for 7572 Trotwood Lane

Table 2 presents a summary of the compounds detected beneath, inside and outside this residence during the March 2023 sampling event summarized as follows:

- TCE was detected at a concentration of 0.199 micrograms per cubic meter (µg/m^3) in the first floor indoor air. TCE was not detected in the indoor air of the second floor or the sub-slab sample; however, the TCE detection limits of the sub-slab sample (<168 µg/m^3); were elevated due to the laboratory dilution of the sample presumably caused by the 347,000 µg/m^3 / 407,000 µg/m^3 of dichlorodifluoromethane detected in the sub-slab sample and duplicate sub-slab sample, respectively.
- TCA was not detected in the indoor air of the first floor, second floor or the sub-slab sample. It is noted that the detection limits of TCA in the sub-slab sample (<170 µg/m^3) were elevated due to the laboratory dilution of the sample.

- DCE was not detected in the indoor air of the first floor, second floor or the sub-slab sample. It is noted that the detection limits of DCE in the sub-slab sample (<124 µg/m^3) were elevated due to the laboratory dilution of the sample.
- TCE, DCE or TCA were not detected in the ambient air sample collected outside the home.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following summarizes the conclusions from the March 2023 sampling event and presents recommendations for follow-on actions.

5.1 7572 Trotwood Lane

One Site-related CVOC was detected in the first floor indoor air of 7572 Trotwood Lane.

TCE was detected at one location, the first floor indoor air, at a concentration of 0.199 µg/m^3. TCE, TCA and DCE were not detected in any of the remaining samples. It is noted that the detection limits of the sub-slab sample, and its associated blind laboratory duplicate, were elevated due to laboratory dilution of the samples.

Based on Marks Engineering review of the March 2023 sample results, SVI may be occurring at this location; however, the concentrations of Site-related compounds detected were below applicable NYSDOH action levels presented in the *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006. Specifically, the concentrations of TCE, TCA and DCE indicate *no further action to address human exposure* per the NYSDOH indoor air matrices (updated 2017) presented in the 2006 NYSDOH guidance document. The detected indoor air concentration of TCE are also below the 2015 NYSDOH ambient air guideline for TCE (2 µg/m^3) and below the recommended immediate action level of 20 µg/m^3 for TCE. The elevated sub-slab detection limits do not provide a meaningful comparison to the NYSDOH criteria as the detection limits were above some of the criteria.

Given the presence of TCE in the indoor air and the inconclusive sub-slab results likely due to the presence of a quantity of dichlorodifluoromethane being co-detected in the sub-slab sample, SS&G will voluntarily install a SSDS at this residence, with the Owner's permission, and NYSDEC concurrence.

6.0 REFERENCES

Bristol Consulting and Marks Engineering, P.C., *Site Management Plan*, Modock Road Springs/DLS Sand and Gravel, Inc. Inactive Hazardous Waste Site, Town of Victor, Ontario County, New York Site Number 8-35-013, March 2019

NYSDEC, 2010, *Record of Decision*, Modock Road Springs/DLS Sand and Gravel, Inc. Site Town of Victor, Ontario County, New York Site Number 8-35-013, January 2010

NYSDOH, 2006, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (as amended through May 2017), October 2006

NYSDEC, 2022, *Public Notice, State Superfund Program*, *State Superfund Site Reclassification Notice Class 2 to Class 4* Modock Springs-DLS Sand and Gravel, Inc., Site No 83513, December 2022

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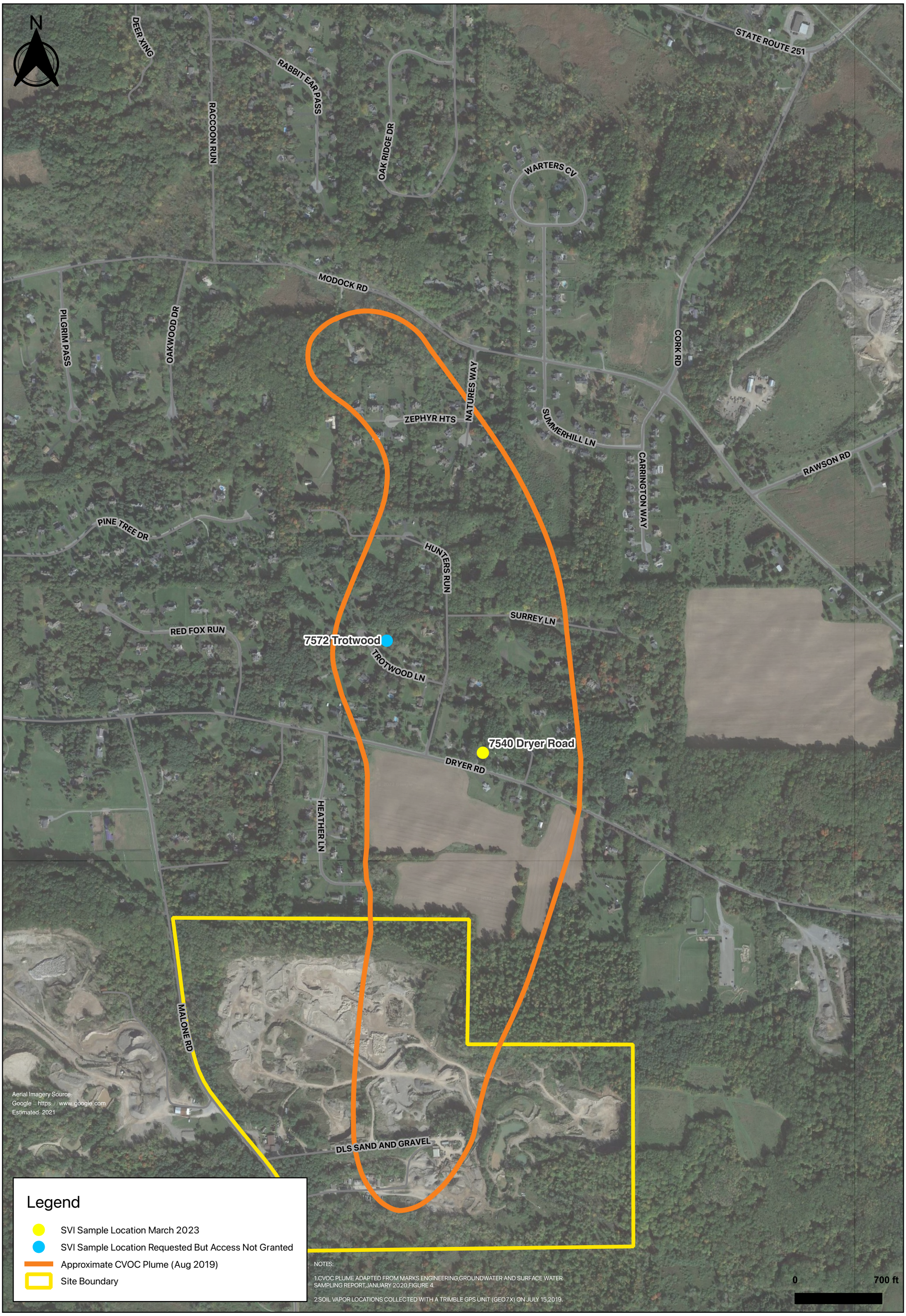
Figures



August 2023 SOIL VAPOR INTRUSION SAMPLING REPORT
MODOCK RD. SPRINGS/DLS SAND & GRAVEL INC. SITE
TOWN OF VICTOR, ONTARIO COUNTY, NEW YORK
NYSDEC SITE NO. 8-35-013

FIGURE 1

SITE PLAN & SOIL VAPOR INTRUSION SAMPLE LOCATION MAP

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Tables

Table 1
Summary of Soil Vapor Intrusion Sampling Program
March 2023 Sample Event
Modock Road Springs/DLS Sand Gravel Inc., Site
NYSDEC Site No. 8-35-013
Victor, New York

SVI Sample Location	**Sub-Slab 1st Floor**	**Sub Slab 1st Floor Blind Duplicate**	**Indoor Air 1st Floor**	**Indoor Air 1st Floor Blind Duplicate**	**Indoor Air 2nd Floor**	**Ambient Air**
7572 Trotwood Lane	SS-7572 Trotwood	DUP032223A	IA-1st Fl-7572 Trotwood	DUP032223B	IA-2nd Fl-7572 Trotwood	AA-7572 Trotwood

Table 2
VAPOR INTRUSION VOCs ANALYTICAL DATA
March 2023 Sample Event
Modock Road Springs/DLS Sand and Gravel, Inc. Site
(NYSDEC HW ID 8-35-013)
Victor, New York

CAS No.	Volatile Organic Compounds	AA-7572 TROTWOOD 3/22/2023	SS-7572 TROTWOOD 3/22/2023	IA-1ST FL-7572 TROTWOOD 3/22/2023	IA-2ND FL-7572 TROTWOOD 3/22/2023	DUP032223A SS-7572 TROTWOOD 3/22/2023	DUP032223B IA-7572 TROTWOOD 3/22/2023
Contaminants of Concern							
79-01-6	Trichloroethene (TCE)	<0.107	<168	**0.199**	<0.168	<168	<0.107
71-55-6	1,1,1-Trichloroethane (TCA)	<0.109	<170	<0.109	<0.17	<170	<0.109
75-35-4	1,1-Dichloroethene (DCE)	<0.079	<124	<0.079	<0.124	<124	<0.079
	Total Concentrations	0	0	**0.199**	0	0	0
Other Compounds							
75-34-3	1,1-Dichloroethane	<0.081	<126	<0.081	<0.126	<126	<0.081
79-00-5	1,1,2-Trichloroethane	<0.109	<170	<0.109	<0.17	<170	<0.109
79-34-5	1,1,2,2-Tetrachloroethane	<0.137	<214	<0.137	<0.214	<214	<0.137
120-82-1	1,2,4-Trichlorobenzene	<0.371	<580	<0.371	<0.58	<580	<0.371
95-63-6	1,2,4-Trimethylbenzene	<0.098	<153	**1.31**	**1.07**	<153	**1.21**
106-93-4	1,2-Dibromoethane	<0.154	<240	<0.154	<0.24	<240	<0.154
95-50-1	1,2-Dichlorobenzene	<0.12	<188	<0.12	<0.188	<188	<0.12
107-06-2	1,2-Dichloroethane	**0.105**	<126	**1.07**	**1.01**	<126	**1.13**
78-87-5	1,2-Dichloropropane	<0.092	<144	**0.153**	<0.144	<144	<0.092
108-67-8	1,3,5-Trimethybenzene	<0.098	<153	**0.364**	**0.284**	<153	**0.315**
106-99-0	1,3-Butadiene	<0.044	<69	<0.044	<0.069	<69	<0.044
541-73-1	1,3-Dichlorobenzene	<0.12	<188	<0.12	<0.188	<188	<0.12
106-46-7	1,4-Dichlorobenzene	<0.12	<188	<0.12	<0.188	<188	<0.12
123-91-1	1,4-Dioxane	<0.36	<562	<0.36	<0.562	<562	<0.36
540-84-1	2,2,4-Trimethylpentane	<0.934	<1460	**3.47**	**3.1**	<1460	**3.38**
78-93-3	2-Butanone	<1.47	<2300	**4.16**	**3.3**	<2300	**2.8**
591-78-6	2-Hexanone	<0.82	<1280	<0.82	<1.28	<1280	<0.82
107-05-1	3-Chloropropene	<0.626	<977	<0.626	<0.977	<977	<0.626
622-96-8	4-Ethyltoluene	<0.098	<153	**0.315**	**0.238**	<153	**0.265**
108-10-1	4-Methyl-2-pentanone	<2.05	<3200	<2.05	<3.2	<3200	<2.05
67-64-1	Acetone	**5.39**	<3710	**28.7**	**28**	<3710	**28.3**
71-43-2	Benzene	**0.335**	<498	**3.18**	**2.95**	<498	**3.13**
100-44-7	Benzyl chloride	<0.518	<808	<0.518	<0.808	<808	<0.518
75-27-4	Bromodichloromethane	<0.134	<209	**0.663**	**0.683**	<209	**0.65**
75-25-2	Bromoform	<0.207	<323	<0.207	<0.323	<323	<0.207
74-83-9	Bromomethane	<0.078	<121	<0.078	<0.121	<121	<0.078
75-15-0	Carbon disulfide	<0.623	<972	<0.623	<0.972	<972	<0.623
56-23-5	Carbon tetrachloride	**0.51**	<196	**0.547**	**0.589**	<196	**0.528**
108-90-7	Chlorobenzene	<0.461	<718	<0.461	<0.718	<718	<0.461
75-00-3	Chloroethane	<0.264	<412	<0.264	<0.412	<412	<0.264
67-66-3	Chloroform	<0.098	<152	**1.19**	**1.21**	<152	**1.27**
74-87-3	Chloromethane	**0.944**	<644	**1.1**	**1.16**	<644	**1.1**
156-59-2	cis-1,2-Dichloroethene	<0.079	<124	<0.079	<0.124	<124	<0.079
10061-01-5	cis-1,3-Dichloropropene	<0.091	<142	<0.091	<0.142	<142	<0.091
110-82-7	Cyclohexane	<0.688	<1070	**4.37**	**2.2**	<1070	**2.35**
124-48-1	Dibromochloromethane	<0.17	<266	<0.17	<0.266	<266	<0.17
75-71-8	Dichlorodifluoromethane	**2.42**	**347,000**	**49.9**	**49.4**	**407,000**	**52.4**
64-17-5	Ethanol	<9.42	<14700	**89.1**	**109**	<14700	**85.2**
141-78-6	Ethyl Acetate	<1.8	<2810	**3.08**	<2.81	<2810	<1.8
100-41-4	Ethylbenzene	**0.239**	<136	**1.45**	**1.06**	<136	**1.1**
76-13-1	Freon-113	**0.445**	<599	**0.56**	<0.599	<599	**0.46**
76-14-2	Freon-114	<0.349	<546	<0.349	<0.546	<546	<0.349
142-82-5	Heptane	<0.82	<1280	**3.3**	**2.7**	<1280	**2.79**
87-68-3	Hexachlorobutadiene	<0.533	<833	<0.533	<0.833	<833	<0.533
67-63-0	Isopropanol	<1.23	<1920	**4.79**	**5.31**	<1920	**4.87**
1634-04-4	Methyl tert butyl ether	<0.721	<1120	<0.721	<1.12	<1120	<0.721
75-09-2	Methylene chloride	<1.74	<2710	**15.8**	**15.5**	<2710	**15.6**
110-54-3	n-Hexane	<0.705	<1100	**11**	**10.2**	<1100	**10.9**
95-47-6	o-Xylene	**0.239**	<136	**1.79**	**1.36**	<136	**1.45**
179601-23	p/m-Xylene	**0.699**	<271	**5.21**	**3.83**	<271	**4.06**
100-42-5	Styrene	**0.089**	**253**	**0.422**	**0.346**	**286**	**0.315**
75-65-0	Tertiary butyl Alcohol	<1.52	<2370	<1.52	<2.37	<2370	<1.52
127-18-4	Tetrachloroethene	**1.06**	**275**	**2.74 J**	**1.53**	<212	**1.19 J**
109-99-9	Tetrahydrofuran	<1.47	<2300	<1.47	<2.3	<2300	<1.47
108-88-3	Toluene	**2.8**	<588	**14.2**	**8.82**	<588	**8.89**
156-60-5	trans-1,2-Dichloroethene	<0.079	<124	<0.079	<0.124	<124	<0.079
10061-02-6	trans-1,3-Dichloropropene	<0.091	<142	<0.091	<0.142	<142	<0.091
75-69-4	Trichlorofluoromethane	**1.19**	<439	**3.18**	**3.65**	<439	**3.3**
593-60-2	Vinyl bromide	<0.874	<1360	<0.874	<1.36	<1360	<0.874
75-01-4	Vinyl chloride	<0.051	<79.8	<0.051	<0.08	<79.8	<0.051

Appendix A

Indoor Air Quality Questionnaire and Building Inventory Form

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 Jeremy Wolf Date/Time Prepared 3/22/23 1200

Preparer's Affiliation Marks Eng. Phone No. 585-500-8392

Purpose of Investigation SVI

1. OCCUPANT:

Interviewed: Y / N

Last Name: Hill First Name: Lloyd

Address: 7572 Trotwood Lane

County: Ontario

Home Phone: 585-622-1333 (mobile) Office Phone: _____

Number of Occupants/persons at this location 1 Age of Occupants Adult

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

Interviewed: Y / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

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

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

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

If multiple units, how many? NA

If the property is commercial, type? No

Business Type(s) occupant is a contractor

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

Other characteristics:

Number of floors 2 Building age Built 1983

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 NA

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply) No basement

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other No basement
c. Basement floor: NA	concrete	dirt	stone	other _____
d. Basement floor: NA	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is: NA	wet	damp	dry	moldy
i. The basement is: NA	finished	unfinished	partially finished	
j. Sump present? No	Y / N			
k. Water in sump? NA	Y / N	not applicable		

Basement/Lowest level depth below grade: No Basement (feet) House is slab on grade

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:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: gas, on demand water heater

Boiler/furnace located in: Basement Outdoors Main Floor Other Heat Pumps through wall units

Air conditioning: Central Air Window units Open Windows None

↑ Provided by heat pumps. Similar to a hotel through wall heat pump that provides heat & A/C

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.

NA - no duct work
radiant base boards
& wall mounted heat pumps

Vented gas fire place on west wall of living area.

7. OCCUPANCY

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

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	None
1st Floor	open kitchen, living room
2nd Floor	2 Bedrooms & central hallway
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

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

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

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

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? outside

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

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

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

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

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

If yes, what types of solvents are used? NA

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

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) N/A

a. Provide reasons why relocation is recommended: _____

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

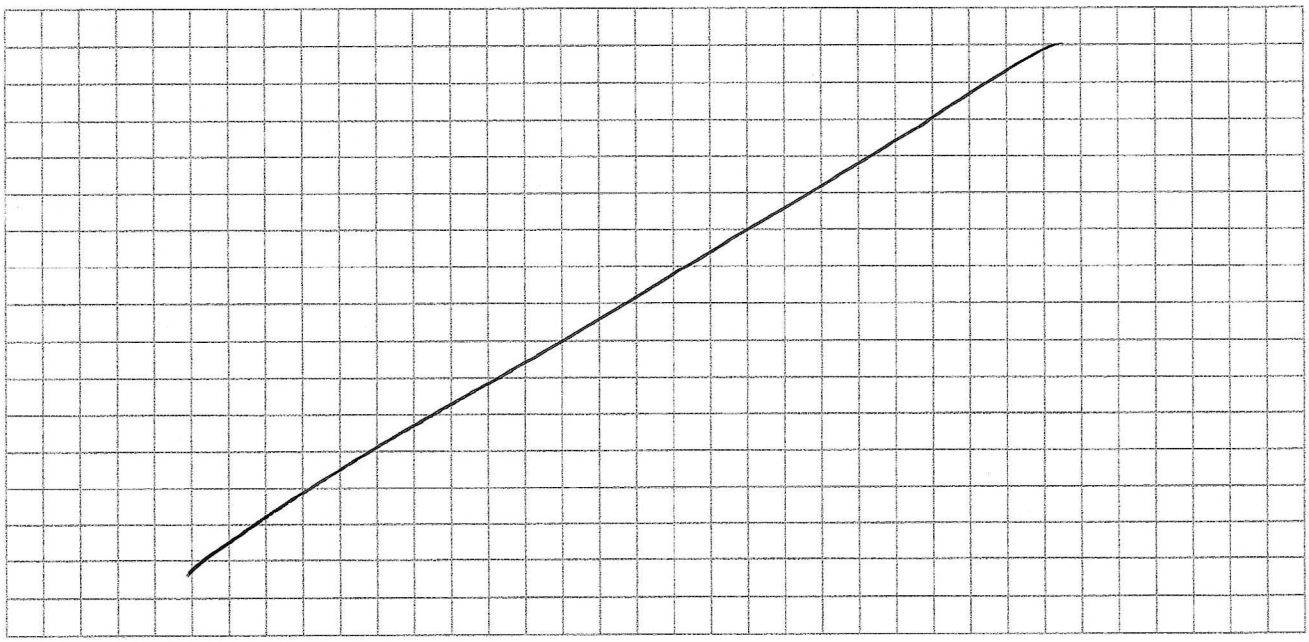
c. Responsibility for costs associated with reimbursement explained? Y / N

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

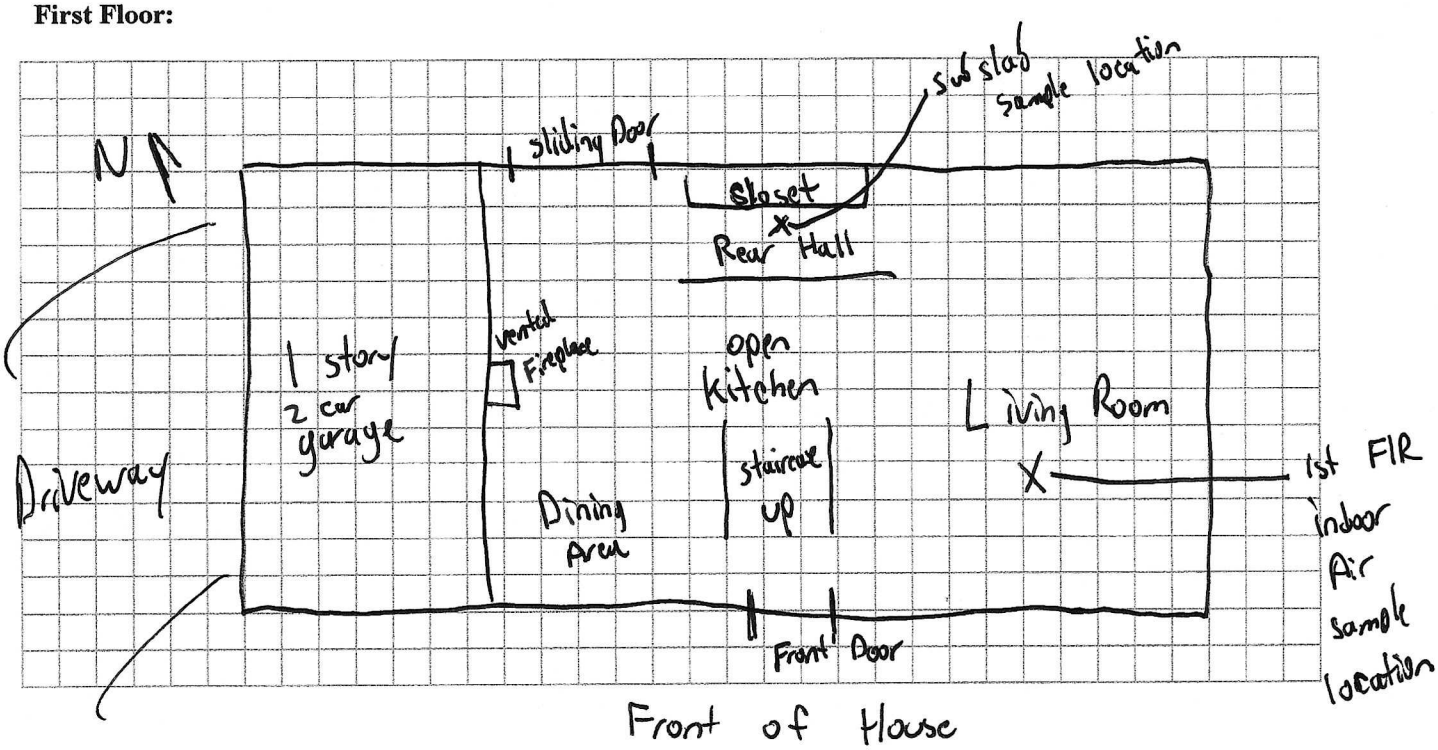
11. FLOOR PLANS

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

Basement:



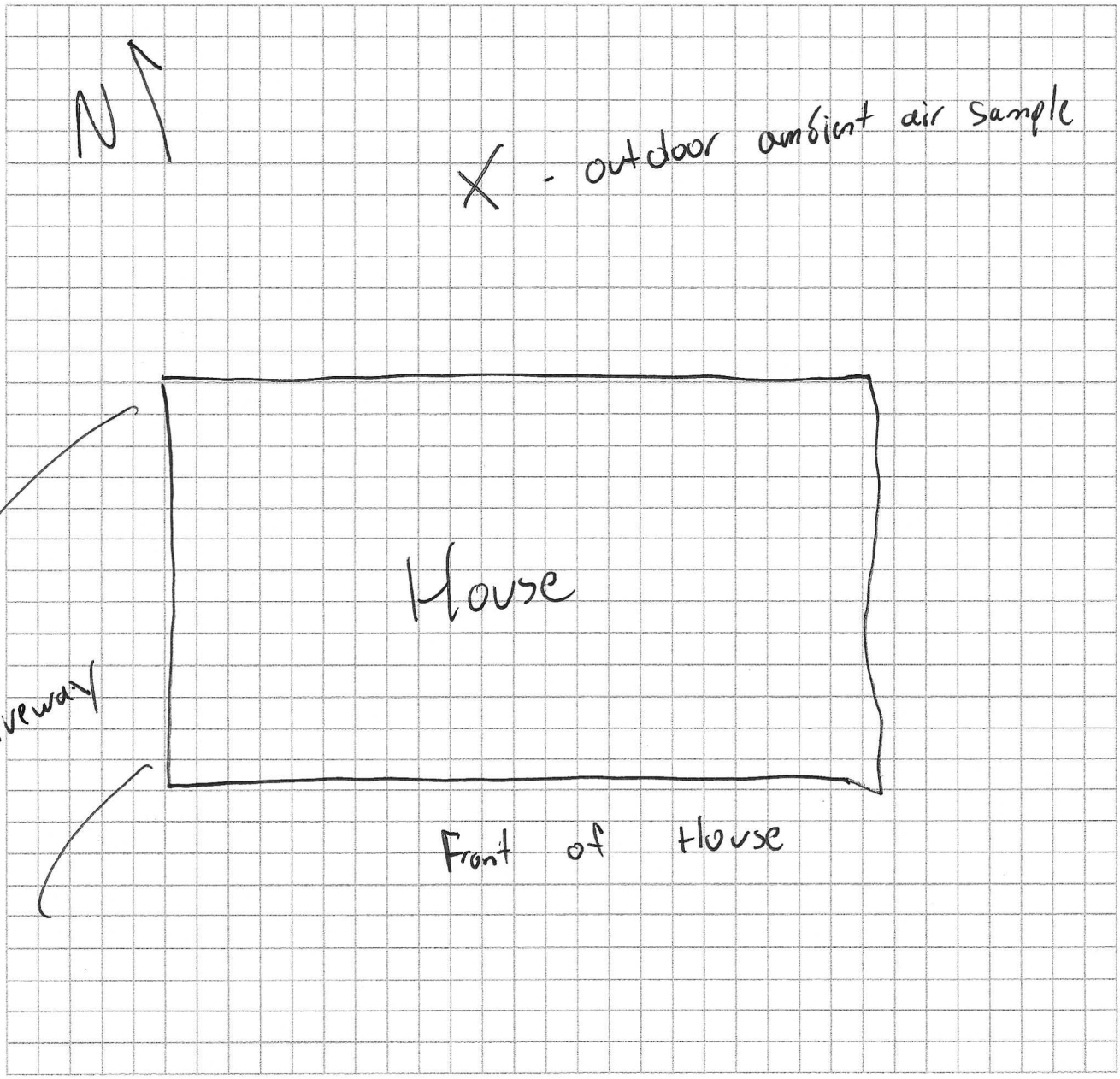
First Floor:



12. OUTDOOR PLOT

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

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



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: 4 gas PID multi RAE

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

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
K	PLEDGE (NEAR EMPTY)	9.7oz	GOOD	ISOPARAFFIN, DIMETHICONE, POLYDIMETHYLSILOXANE, AMINOMETHYLPROPANOL	^	N
H	BERKOOMATIC (FULL)	14.1oz	GOOD			N
B	FEBREZE (HALF)	8.8oz	GOOD	PEG-40, HYDROGENATED CASTOR OIL, SODIUM CITRATE, HYDROPROPYL CYCLODEXTRIN,		N
—	—	—	—	DIETHYLHEXYL SODIUM SULFOSUCCINATE benzoisothiazolinone, NITROGEN		
HOL CULLS L	real-tuff (FULL) TEFLON PASTE THREAD SEALANT	8oz	LEAKING	-		N
BU	FEBREZE (HALF)	8.8oz	GOOD	← SAME		
G	GAS CAN (1 GALLON)	5GAL				
	DIESEL CAN (EMPTY)	5GAL				
	GAS CAN (EMPTY)	5GAL				
	BLUE CAN CALCIUM EMPTY	5GAL				

* 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.

K- KITCHEN
H- HALLWAY - NEAR SUBSLAB

G- GARAGE BEHIND MAIN DOOR

B - BATHROOM
L LIVINGROOM
BU - BATHROOM UPSTAIRS

Appendix B
Photographs

APPENDIX B – PHOTOGRAPHIC LOG

Photo 1 – 7572 Trotwood chemical storage in garage

Photo 2 – 7572 Trotwood chemical storage in garage

Photo 3 – 7572 Trotwood chemical storage in garage

Photo 4 – 7572 Trotwood chemical storage in garage

Photo 5 – 7572 Trotwood petroleum storage in garage

Appendix C

Soil Vapor Intrusion Sampling Logs

Ambient Air (Canister) Sample Collection Field Form

Project # NYSDEC # 835013 Date 3/22/23

Project Name Modock Rd Springs / DLS Personnel J. Wolf / S. Moore

Sample ID AA - 7572 Trotwood

Vacuum gauge "zero" ("Hg) 0.00

Start Date/Time 3/22/23 1158 Start Pressure ("Hg) -30.08

End Date/Time 3/23/23 0914 End Pressure ("Hg) Malfunction no reading

Canister ID 2655 End pressure > "zero"? ?

Flow controller ID ~~0587~~ 02079 Sampling duration (intended) 24 HR

Tubing type used N/A Length of tubing N/A cm Tubing volume N/A cc

Volume purged N/A cc @ ____ min 1 to 3 volumes purged @ < 200cc/min? ____

Weather Conditions at Start of Sampling:

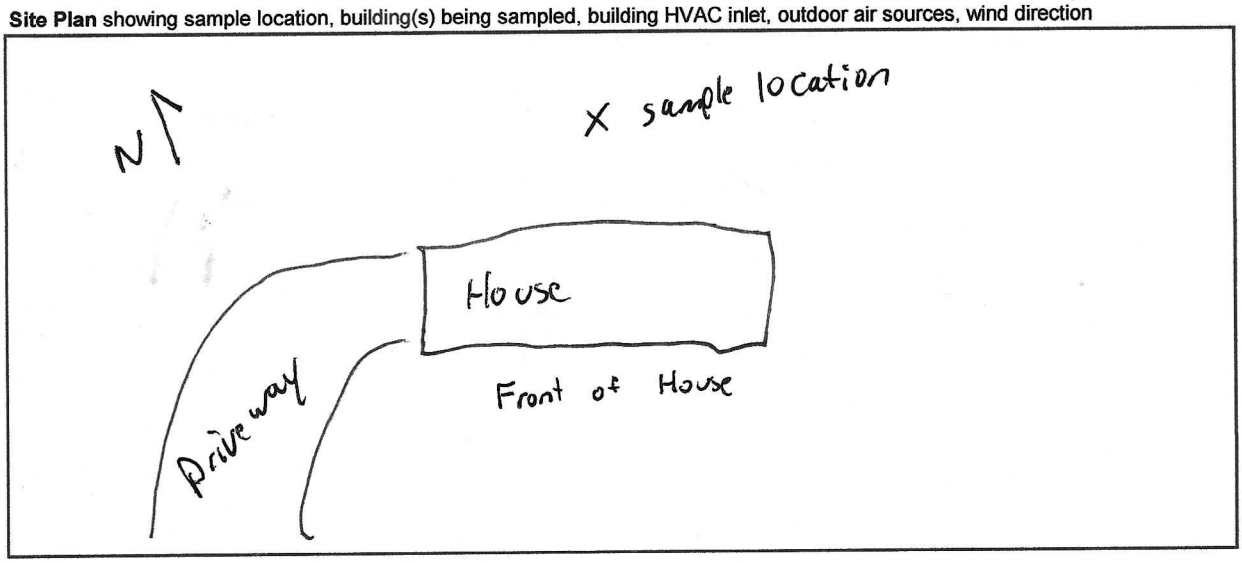
Air temperature (°F) 45 Rainfall 0 Wind direction Calm

Barometric pressure NA Relative humidity NA Wind speed (mph) NA

Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Warmed about 10°F & overnight rain

Site Plan showing sample location, building(s) being sampled, building HVAC inlet, outdoor air sources, wind direction



Comments:

Indoor Air (Canister) Sample Collection Field Form (1st Floor)

Project # NYSDEC # 835013 Date 3/22/23

Project Name Modock Rd Springs / DLS Personnel J. Wolf / S. Moore

Sample ID IA - 1st FL - 7572 Trotwood

Vacuum gauge "zero" ("Hg) 0.00

Start Date/Time 3/22/23 1156 Start Vacuum ("Hg) -28.32

End Date/Time 3/23/23 0916 End Vacuum ("Hg) -12.05

Canister ID 1630 End Vacuum > "zero"? Y

Flow controller ID 0472 Sampling duration (intended) 24 HR

Associated ambient air sample ID AA - 7572 Trotwood Associated sub-slab vapor sample ID SS - 7572 Trotwood

Tubing type used NA Length of tubing NA cm Tubing volume NA cc

Volume purged NA cc @ NA min 1 to 3 volumes purged @ < 200cc/min? NA

Weather Conditions at Start of Sampling:

Air temperature (°F) 45 Rainfall 0 Wind direction Calm

Barometric pressure NA Relative humidity NA Wind speed (mph) NA

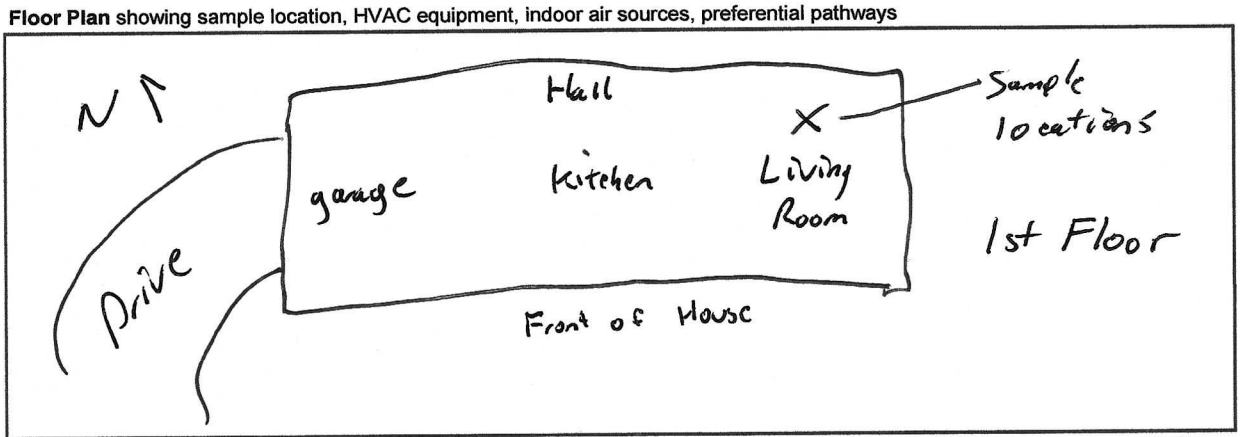
Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

Warmed about 10°F & overnight rain

Indoor air temp (°F) 70 Indoor relative humidity (%) NA

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Collected Blind DUP DUP ID: DUP032223B

DUP Can ID: 3924

Flow ID: 02275

Fictive Times: Start time: 1300 Initial: -29.86

End time: 1020 Final: -3.18

No basement. These samples were collected ~~adja~~ in conjunction w/ sub slab samples.

(2nd Floor)

Indoor Air (Canister) Sample Collection Field Form

Project # NYSDEC # 835013 Date 3/22/23

Project Name Modock Rd Springs / DLS Personnel J. Wolf / J. Moore

Sample ID IA-2nd FL-7572 Trotwood

Vacuum gauge "zero" ("Hg) 0.00

Start Date/Time 3/22/23 1155 Start Vacuum ("Hg) -29.56

End Date/Time 3/23/23 0925 End Vacuum ("Hg) -15.95

Canister ID 2896 End Vacuum > "zero"? Y

Flow controller ID 02237 Sampling duration (intended) 24 HR

Associated ambient air sample ID AA-7572 Trotwood Associated sub-slab vapor sample ID SS-7572 Trotwood

Tubing type used NA Length of tubing NA cm Tubing volume NA cc

Volume purged NA cc @ NA min 1 to 3 volumes purged @ < 200cc/min? NA

Weather Conditions at Start of Sampling:

Air temperature (°F) 45 Rainfall 0 Wind direction Calm

Barometric pressure NA Relative humidity NA Wind speed (mph) NA

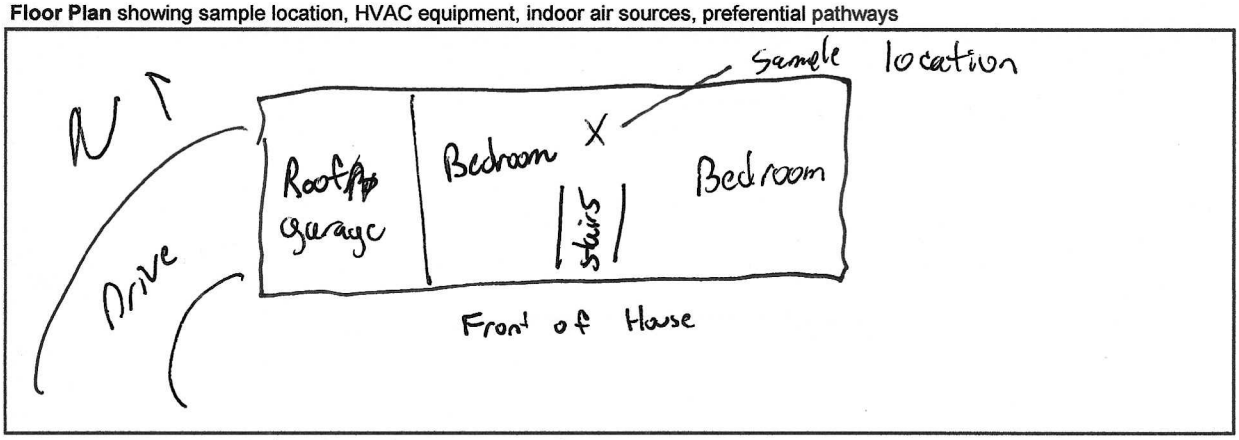
Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

warmed about 10° F & overnight rain

Indoor air temp (°F) 70 Indoor relative humidity (%) NA

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: No basement 1st Floor is slab on grade

Sub-slab Vapor (Canister) Sample Collection Field Form

Project # NYSDEC # 835013 Date 3/22/23

Project Name Modock Rd Springs / DLS Personnel J. Wolf / S. Moore

Sample ID SS-7572 Trotwood

Start Date/Time	3/22/23 1157	Vacuum gauge "zero" ("Hg)	0.00
End Date/Time	3/23/23 0937	Start Pressure ("Hg)	-29.66
Canister ID	1799	End Pressure ("Hg)	-15.70
Flow controller ID	0323	End pressure > "zero"?	Y
		Sampling duration (intended)	24 HR

Associated indoor air sample ID IA-1st FL-7572 Trotwood Associated ambient air sample ID AA-7572 Trotwood

Tubing type used Teflon Length of tubing 2' cm Tubing volume _____ cc

Volume purged _____ cc @ _____ min 1 to 3 volumes purged @ < 200cc/min? _____

Weather Conditions at Start of Sampling:

Air temperature (°F) 45 Rainfall 0 Wind direction Calm

Barometric pressure NA Wind speed (mph) NA

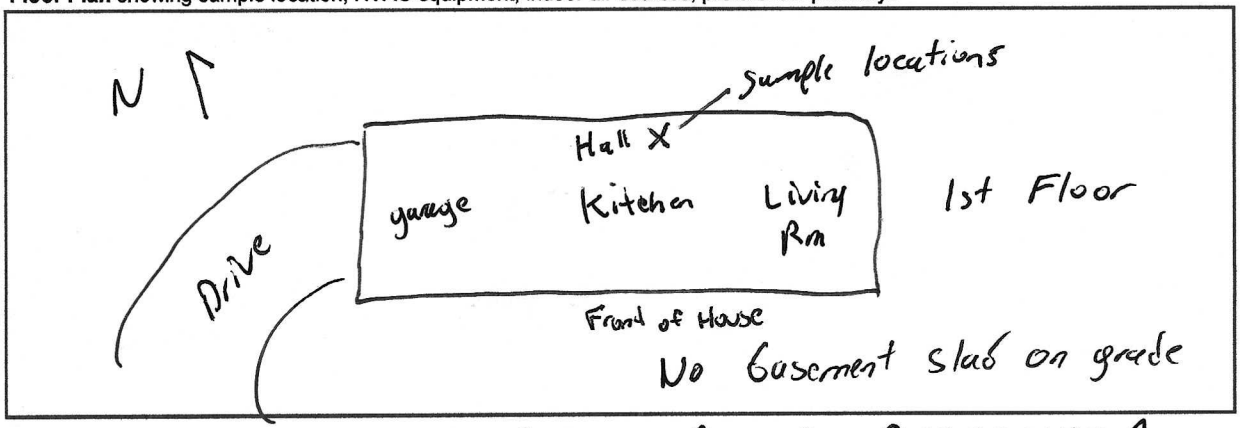
Substantial changes in weather conditions during sampling or over the past 24 to 48 hrs:

warmed about 10°F & overnight rain

Indoor air temp (°F) 70 Indoor relative humidity (%) NA

Building Survey and Chemical Inventory Form Completed? Y Photograph IDs NA

Floor Plan showing sample location, HVAC equipment, indoor air sources, preferential pathways



Comments: Collect B/D Dup DUP ID: DUP032223A

Dup Can ID: 3914

Flow ID: 0587

Fictious Times: Start Time: 1200 Start: -29.71

End Time: 0940 Final: -12.88

Appendix D
Chain of Custody Form

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: 3/25/23

ALPHA Job #: L2315678

Client Information

Client: Marks Engineering
Address: 4303 Routes 5 & 20
Canandaigua, NY 14424
Phone: 585-500-8392
Fax:
Email: JWolf@marksengineering.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Modock Rd Springs / DES
Project Location: Victor, NY
Project #: 23-040
Project Manager: Jeremy Wolf
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: CAT B NYSDEC EDD
Report to: (if different than Project Manager) JWolf@marksengineering.com

Billing Information

☒ Same as Client info PO #: 23-040

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

1158

02079

All 24 HR Samples

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
15678-01	AA-7572 Trotwood	3/23/23	[illegible]	0914	-30.08	NR	AA	JSW	6L	2655	[illegible]	X					No final vac reading on gauge?
-02	SS-7572 Trotwood	3/23/23	1157	0937	-29.66	-15.70	SSV	JSW	6L	1779	0323	X					
-03	IA-1st FL-7572 Trotwood	3/23/23	1156	0916	-28.32	-12.05	IA	JSW	6L	1630	0472	X					
-04	IA-2nd FL-7572 Trotwood	3/23/23	1155	0925	-29.56	-15.95	IA	JSW	6L	2896	02237	X					
-05	DUP032223 A	3/23/23	1200	0940	-29.71	-12.88	SSV	JSW	6L	3914	0587	X					
-06	DUP 032223 B	3/23/23	1300	1020	-29.86	-3.18	IA	JSW	6L	3924	02275	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	3/24/23	W Mott AAC	3/24/23 12:06
W Mott AAC 3/25/23	9/24/23 68	[signature]	3/25/23 0040
[signature]	3/25/23 0700	[signature] AAC	3/25/23 07:00

MarksEngineering

Exhibit A
Laboratory Report
(Results Only)

ANALYTICAL REPORT

Lab Number:	L2315678
Client:	Marks Engineering, PC 42 Beeman Street Canandaigua, NY 14424
ATTN:	Jeremy Wolf
Phone:	(585) 500-8392
Project Name:	MODOCK RD SPRINGS/DLS
Project Number:	23-040
Report Date:	04/10/23

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

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

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040

Lab Number: L2315678
Report Date: 04/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2315678-01	AA-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:14	03/24/23
L2315678-02	SS-7572 TROTWOOD	SOIL_VAPOR	VICTOR, NY	03/23/23 09:37	03/24/23
L2315678-03	IA-1ST FL-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:16	03/24/23
L2315678-04	IA-2ND FL-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:25	03/24/23
L2315678-05	DUP032223A	SOIL_VAPOR	VICTOR, NY	03/23/23 09:40	03/24/23
L2315678-06	DUP032223B	AIR	VICTOR, NY	03/23/23 10:20	03/24/23

Project Name:	MODOCK RD SPRINGS/DLS	**Lab Number:**	L2315678
Project Number:	23-040	**Report Date:**	04/10/23

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: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678
Project Number: 23-040 **Report Date:** 04/10/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 20, 2023. The canister certification results are provided as an addendum.

L2315678-02D and -05D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2315678-02D2 and -05D2: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2315678-04D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Sample Receipt

L2315678-02,-04: The canister vacuums 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.

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: 04/10/23

AIR

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-01
Client ID: AA-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:14
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 18:48
Analyst: NFL

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	0.457	0.200	--	0.944	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.27	1.00	--	5.39	2.38	--		1
Trichlorofluoromethane	0.211	0.050	--	1.19	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	0.058	0.050	--	0.445	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

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-01
Client ID: AA-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:14
Date Received: 03/24/23
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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.026	0.020	--	0.105	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.105	0.100	--	0.335	0.319	--		1
Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	0.742	0.100	--	2.80	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.156	0.020	--	1.06	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.055	0.020	--	0.239	0.087	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-01
Client ID: AA-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:14
Date Received: 03/24/23
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								
p/m-Xylene	0.161	0.040	--	0.699	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.021	0.020	--	0.089	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.055	0.020	--	0.239	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-02 D
Client ID: SS-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:37
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/08/23 06:36
Analyst: NFL

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	87900	312	--	435000	1540	--	E	1563
Chloromethane	ND	312	--	ND	644	--		1563
Freon-114	ND	78.1	--	ND	546	--		1563
Vinyl chloride	ND	31.2	--	ND	79.8	--		1563
1,3-Butadiene	ND	31.2	--	ND	69.0	--		1563
Bromomethane	ND	31.2	--	ND	121	--		1563
Chloroethane	ND	156.	--	ND	412	--		1563
Ethanol	ND	7810	--	ND	14700	--		1563
Vinyl bromide	ND	312.	--	ND	1360	--		1563
Acetone	ND	1560	--	ND	3710	--		1563
Trichlorofluoromethane	ND	78.1	--	ND	439	--		1563
Isopropanol	ND	781	--	ND	1920	--		1563
1,1-Dichloroethene	ND	31.2	--	ND	124	--		1563
Tertiary butyl Alcohol	ND	781.	--	ND	2370	--		1563
Methylene chloride	ND	781	--	ND	2710	--		1563
3-Chloropropene	ND	312.	--	ND	977	--		1563
Carbon disulfide	ND	312.	--	ND	972	--		1563
Freon-113	ND	78.1	--	ND	599	--		1563
trans-1,2-Dichloroethene	ND	31.2	--	ND	124	--		1563
1,1-Dichloroethane	ND	31.2	--	ND	126	--		1563
Methyl tert butyl ether	ND	312.	--	ND	1120	--		1563
2-Butanone	ND	781	--	ND	2300	--		1563
cis-1,2-Dichloroethene	ND	31.2	--	ND	124	--		1563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-02 D
Client ID: SS-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:37
Date Received: 03/24/23
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								
Ethyl Acetate	ND	781.	--	ND	2810	--		1563
Chloroform	ND	31.2	--	ND	152	--		1563
Tetrahydrofuran	ND	781.	--	ND	2300	--		1563
1,2-Dichloroethane	ND	31.2	--	ND	126	--		1563
n-Hexane	ND	312.	--	ND	1100	--		1563
1,1,1-Trichloroethane	ND	31.2	--	ND	170	--		1563
Benzene	ND	156	--	ND	498	--		1563
Carbon tetrachloride	ND	31.2	--	ND	196	--		1563
Cyclohexane	ND	312.	--	ND	1070	--		1563
1,2-Dichloropropane	ND	31.2	--	ND	144	--		1563
Bromodichloromethane	ND	31.2	--	ND	209	--		1563
1,4-Dioxane	ND	156.	--	ND	562	--		1563
Trichloroethene	ND	31.2	--	ND	168	--		1563
2,2,4-Trimethylpentane	ND	312.	--	ND	1460	--		1563
Heptane	ND	312.	--	ND	1280	--		1563
cis-1,3-Dichloropropene	ND	31.2	--	ND	142	--		1563
4-Methyl-2-pentanone	ND	781.	--	ND	3200	--		1563
trans-1,3-Dichloropropene	ND	31.2	--	ND	142	--		1563
1,1,2-Trichloroethane	ND	31.2	--	ND	170	--		1563
Toluene	ND	156.	--	ND	588	--		1563
2-Hexanone	ND	312.	--	ND	1280	--		1563
Dibromochloromethane	ND	31.2	--	ND	266	--		1563
1,2-Dibromoethane	ND	31.2	--	ND	240	--		1563
Tetrachloroethene	40.6	31.2	--	275	212	--		1563
Chlorobenzene	ND	156.	--	ND	718	--		1563
Ethylbenzene	ND	31.2	--	ND	136	--		1563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-02 D
Client ID: SS-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:37
Date Received: 03/24/23
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								
p/m-Xylene	ND	62.5	--	ND	271	--		1563
Bromoform	ND	31.2	--	ND	323	--		1563
Styrene	59.4	31.2	--	253	133	--		1563
1,1,2,2-Tetrachloroethane	ND	31.2	--	ND	214	--		1563
o-Xylene	ND	31.2	--	ND	136	--		1563
4-Ethyltoluene	ND	31.2	--	ND	153	--		1563
1,3,5-Trimethybenzene	ND	31.2	--	ND	153	--		1563
1,2,4-Trimethylbenzene	ND	31.2	--	ND	153	--		1563
Benzyl chloride	ND	156.	--	ND	808	--		1563
1,3-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,4-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,2-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,2,4-Trichlorobenzene	ND	78.1	--	ND	580	--		1563
Hexachlorobutadiene	ND	78.1	--	ND	833	--		1563

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-02 D2
Client ID: SS-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:37
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/09/23 03:26
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	70200	714	--	347000	3530	--		3571

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-03
Client ID: IA-1ST FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:16
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 19:29
Analyst: NFL

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	10.1	0.200	--	49.9	0.989	--		1
Chloromethane	0.532	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	47.3	5.00	--	89.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.1	1.00	--	28.7	2.38	--		1
Trichlorofluoromethane	0.565	0.050	--	3.18	0.281	--		1
Isopropanol	1.95	0.500	--	4.79	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	4.56	0.500	--	15.8	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	0.073	0.050	--	0.560	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	1.41	0.500	--	4.16	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-03
Client ID: IA-1ST FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:16
Date Received: 03/24/23
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								
Ethyl Acetate	0.856	0.500	--	3.08	1.80	--		1
Chloroform	0.244	0.020	--	1.19	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.265	0.020	--	1.07	0.081	--		1
n-Hexane	3.13	0.200	--	11.0	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.996	0.100	--	3.18	0.319	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Cyclohexane	1.27	0.200	--	4.37	0.688	--		1
1,2-Dichloropropane	0.033	0.020	--	0.153	0.092	--		1
Bromodichloromethane	0.099	0.020	--	0.663	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	0.037	0.020	--	0.199	0.107	--		1
2,2,4-Trimethylpentane	0.743	0.200	--	3.47	0.934	--		1
Heptane	0.806	0.200	--	3.30	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	3.78	0.100	--	14.2	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.404	0.020	--	2.74	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.333	0.020	--	1.45	0.087	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-03
Client ID: IA-1ST FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:16
Date Received: 03/24/23
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								
p/m-Xylene	1.20	0.040	--	5.21	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.099	0.020	--	0.422	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.413	0.020	--	1.79	0.087	--		1
4-Ethyltoluene	0.064	0.020	--	0.315	0.098	--		1
1,3,5-Trimethybenzene	0.074	0.020	--	0.364	0.098	--		1
1,2,4-Trimethylbenzene	0.267	0.020	--	1.31	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-04 D
Client ID: IA-2ND FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:25
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 20:09
Analyst: NFL

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	10.0	0.312	--	49.4	1.54	--		1.563
Chloromethane	0.561	0.312	--	1.16	0.644	--		1.563
Freon-114	ND	0.078	--	ND	0.546	--		1.563
Vinyl chloride	ND	0.031	--	ND	0.080	--		1.563
1,3-Butadiene	ND	0.031	--	ND	0.069	--		1.563
Bromomethane	ND	0.031	--	ND	0.121	--		1.563
Chloroethane	ND	0.156	--	ND	0.412	--		1.563
Ethanol	57.6	7.81	--	109	14.7	--		1.563
Vinyl bromide	ND	0.312	--	ND	1.36	--		1.563
Acetone	11.8	1.56	--	28.0	3.71	--		1.563
Trichlorofluoromethane	0.650	0.078	--	3.65	0.439	--		1.563
Isopropanol	2.16	0.781	--	5.31	1.92	--		1.563
1,1-Dichloroethene	ND	0.031	--	ND	0.124	--		1.563
Tertiary butyl Alcohol	ND	0.781	--	ND	2.37	--		1.563
Methylene chloride	4.45	0.781	--	15.5	2.71	--		1.563
3-Chloropropene	ND	0.312	--	ND	0.977	--		1.563
Carbon disulfide	ND	0.312	--	ND	0.972	--		1.563
Freon-113	ND	0.078	--	ND	0.599	--		1.563
trans-1,2-Dichloroethene	ND	0.031	--	ND	0.124	--		1.563
1,1-Dichloroethane	ND	0.031	--	ND	0.126	--		1.563
Methyl tert butyl ether	ND	0.312	--	ND	1.12	--		1.563
2-Butanone	1.12	0.781	--	3.30	2.30	--		1.563
cis-1,2-Dichloroethene	ND	0.031	--	ND	0.124	--		1.563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-04 D
Client ID: IA-2ND FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:25
Date Received: 03/24/23
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								
Ethyl Acetate	ND	0.781	--	ND	2.81	--		1.563
Chloroform	0.247	0.031	--	1.21	0.152	--		1.563
Tetrahydrofuran	ND	0.781	--	ND	2.30	--		1.563
1,2-Dichloroethane	0.250	0.031	--	1.01	0.126	--		1.563
n-Hexane	2.88	0.312	--	10.2	1.10	--		1.563
1,1,1-Trichloroethane	ND	0.031	--	ND	0.170	--		1.563
Benzene	0.923	0.156	--	2.95	0.498	--		1.563
Carbon tetrachloride	0.094	0.031	--	0.589	0.196	--		1.563
Cyclohexane	0.639	0.312	--	2.20	1.07	--		1.563
1,2-Dichloropropane	ND	0.031	--	ND	0.144	--		1.563
Bromodichloromethane	0.102	0.031	--	0.683	0.209	--		1.563
1,4-Dioxane	ND	0.156	--	ND	0.562	--		1.563
Trichloroethene	ND	0.031	--	ND	0.168	--		1.563
2,2,4-Trimethylpentane	0.664	0.312	--	3.10	1.46	--		1.563
Heptane	0.658	0.312	--	2.70	1.28	--		1.563
cis-1,3-Dichloropropene	ND	0.031	--	ND	0.142	--		1.563
4-Methyl-2-pentanone	ND	0.781	--	ND	3.20	--		1.563
trans-1,3-Dichloropropene	ND	0.031	--	ND	0.142	--		1.563
1,1,2-Trichloroethane	ND	0.031	--	ND	0.170	--		1.563
Toluene	2.34	0.156	--	8.82	0.588	--		1.563
2-Hexanone	ND	0.312	--	ND	1.28	--		1.563
Dibromochloromethane	ND	0.031	--	ND	0.266	--		1.563
1,2-Dibromoethane	ND	0.031	--	ND	0.240	--		1.563
Tetrachloroethene	0.226	0.031	--	1.53	0.212	--		1.563
Chlorobenzene	ND	0.156	--	ND	0.718	--		1.563
Ethylbenzene	0.244	0.031	--	1.06	0.136	--		1.563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-04 D
Client ID: IA-2ND FL-7572 TROTWOOD
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:25
Date Received: 03/24/23
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								
p/m-Xylene	0.881	0.063	--	3.83	0.271	--		1.563
Bromoform	ND	0.031	--	ND	0.323	--		1.563
Styrene	0.081	0.031	--	0.346	0.133	--		1.563
1,1,2,2-Tetrachloroethane	ND	0.031	--	ND	0.214	--		1.563
o-Xylene	0.312	0.031	--	1.36	0.136	--		1.563
4-Ethyltoluene	0.048	0.031	--	0.238	0.153	--		1.563
1,3,5-Trimethybenzene	0.058	0.031	--	0.284	0.153	--		1.563
1,2,4-Trimethylbenzene	0.217	0.031	--	1.07	0.153	--		1.563
Benzyl chloride	ND	0.156	--	ND	0.808	--		1.563
1,3-Dichlorobenzene	ND	0.031	--	ND	0.188	--		1.563
1,4-Dichlorobenzene	ND	0.031	--	ND	0.188	--		1.563
1,2-Dichlorobenzene	ND	0.031	--	ND	0.188	--		1.563
1,2,4-Trichlorobenzene	ND	0.078	--	ND	0.580	--		1.563
Hexachlorobutadiene	ND	0.078	--	ND	0.833	--		1.563

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	90		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-05 D
Client ID: DUP032223A
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:40
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/08/23 07:13
Analyst: NFL

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	92600	312	--	458000	1540	--	E	1563
Chloromethane	ND	312.	--	ND	644	--		1563
Freon-114	ND	78.1	--	ND	546	--		1563
Vinyl chloride	ND	31.2	--	ND	79.8	--		1563
1,3-Butadiene	ND	31.2	--	ND	69.0	--		1563
Bromomethane	ND	31.2	--	ND	121	--		1563
Chloroethane	ND	156.	--	ND	412	--		1563
Ethanol	ND	7810	--	ND	14700	--		1563
Vinyl bromide	ND	312.	--	ND	1360	--		1563
Acetone	ND	1560	--	ND	3710	--		1563
Trichlorofluoromethane	ND	78.1	--	ND	439	--		1563
Isopropanol	ND	781.	--	ND	1920	--		1563
1,1-Dichloroethene	ND	31.2	--	ND	124	--		1563
Tertiary butyl Alcohol	ND	781.	--	ND	2370	--		1563
Methylene chloride	ND	781	--	ND	2710	--		1563
3-Chloropropene	ND	312.	--	ND	977	--		1563
Carbon disulfide	ND	312.	--	ND	972	--		1563
Freon-113	ND	78.1	--	ND	599	--		1563
trans-1,2-Dichloroethene	ND	31.2	--	ND	124	--		1563
1,1-Dichloroethane	ND	31.2	--	ND	126	--		1563
Methyl tert butyl ether	ND	312.	--	ND	1120	--		1563
2-Butanone	ND	781	--	ND	2300	--		1563
cis-1,2-Dichloroethene	ND	31.2	--	ND	124	--		1563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-05 D
Client ID: DUP032223A
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:40
Date Received: 03/24/23
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								
Ethyl Acetate	ND	781.	--	ND	2810	--		1563
Chloroform	ND	31.2	--	ND	152	--		1563
Tetrahydrofuran	ND	781.	--	ND	2300	--		1563
1,2-Dichloroethane	ND	31.2	--	ND	126	--		1563
n-Hexane	ND	312.	--	ND	1100	--		1563
1,1,1-Trichloroethane	ND	31.2	--	ND	170	--		1563
Benzene	ND	156	--	ND	498	--		1563
Carbon tetrachloride	ND	31.2	--	ND	196	--		1563
Cyclohexane	ND	312.	--	ND	1070	--		1563
1,2-Dichloropropane	ND	31.2	--	ND	144	--		1563
Bromodichloromethane	ND	31.2	--	ND	209	--		1563
1,4-Dioxane	ND	156.	--	ND	562	--		1563
Trichloroethene	ND	31.2	--	ND	168	--		1563
2,2,4-Trimethylpentane	ND	312.	--	ND	1460	--		1563
Heptane	ND	312.	--	ND	1280	--		1563
cis-1,3-Dichloropropene	ND	31.2	--	ND	142	--		1563
4-Methyl-2-pentanone	ND	781.	--	ND	3200	--		1563
trans-1,3-Dichloropropene	ND	31.2	--	ND	142	--		1563
1,1,2-Trichloroethane	ND	31.2	--	ND	170	--		1563
Toluene	ND	156.	--	ND	588	--		1563
2-Hexanone	ND	312.	--	ND	1280	--		1563
Dibromochloromethane	ND	31.2	--	ND	266	--		1563
1,2-Dibromoethane	ND	31.2	--	ND	240	--		1563
Tetrachloroethene	ND	31.2	--	ND	212	--		1563
Chlorobenzene	ND	156.	--	ND	718	--		1563
Ethylbenzene	ND	31.2	--	ND	136	--		1563

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-05 D
Client ID: DUP032223A
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:40
Date Received: 03/24/23
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								
p/m-Xylene	ND	62.5	--	ND	271	--		1563
Bromoform	ND	31.2	--	ND	323	--		1563
Styrene	67.2	31.2	--	286	133	--		1563
1,1,2,2-Tetrachloroethane	ND	31.2	--	ND	214	--		1563
o-Xylene	ND	31.2	--	ND	136	--		1563
4-Ethyltoluene	ND	31.2	--	ND	153	--		1563
1,3,5-Trimethybenzene	ND	31.2	--	ND	153	--		1563
1,2,4-Trimethylbenzene	ND	31.2	--	ND	153	--		1563
Benzyl chloride	ND	156.	--	ND	808	--		1563
1,3-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,4-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,2-Dichlorobenzene	ND	31.2	--	ND	188	--		1563
1,2,4-Trichlorobenzene	ND	78.1	--	ND	580	--		1563
Hexachlorobutadiene	ND	78.1	--	ND	833	--		1563

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-05 D2
Client ID: DUP032223A
Sample Location: VICTOR, NY

Date Collected: 03/23/23 09:40
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/09/23 04:03
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	82400	833	--	407000	4120	--		4167

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-06
Client ID: DUP032223B
Sample Location: VICTOR, NY

Date Collected: 03/23/23 10:20
Date Received: 03/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 20:48
Analyst: NFL

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	10.6	0.200	--	52.4	0.989	--		1
Chloromethane	0.532	0.200	--	1.10	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	45.2	5.00	--	85.2	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.9	1.00	--	28.3	2.38	--		1
Trichlorofluoromethane	0.588	0.050	--	3.30	0.281	--		1
Isopropanol	1.98	0.500	--	4.87	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	4.48	0.500	--	15.6	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	0.060	0.050	--	0.460	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	0.949	0.500	--	2.80	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-06
Client ID: DUP032223B
Sample Location: VICTOR, NY

Date Collected: 03/23/23 10:20
Date Received: 03/24/23
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								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.261	0.020	--	1.27	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.278	0.020	--	1.13	0.081	--		1
n-Hexane	3.08	0.200	--	10.9	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.979	0.100	--	3.13	0.319	--		1
Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--		1
Cyclohexane	0.682	0.200	--	2.35	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	0.097	0.020	--	0.650	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	0.723	0.200	--	3.38	0.934	--		1
Heptane	0.682	0.200	--	2.79	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	2.36	0.100	--	8.89	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.175	0.020	--	1.19	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.253	0.020	--	1.10	0.087	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

SAMPLE RESULTS

Lab ID: L2315678-06
Client ID: DUP032223B
Sample Location: VICTOR, NY

Date Collected: 03/23/23 10:20
Date Received: 03/24/23
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								
p/m-Xylene	0.935	0.040	--	4.06	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.074	0.020	--	0.315	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.334	0.020	--	1.45	0.087	--		1
4-Ethyltoluene	0.054	0.020	--	0.265	0.098	--		1
1,3,5-Trimethybenzene	0.064	0.020	--	0.315	0.098	--		1
1,2,4-Trimethylbenzene	0.246	0.020	--	1.21	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	89		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140

Project Name: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678

Project Number: 23-040 **Report Date:** 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 17:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1764138-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678

Project Number: 23-040 **Report Date:** 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 17:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1764138-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/07/23 17:29

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-06 Batch: WG1764138-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678

Project Number: 23-040 **Report Date:** 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/08/23 19:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,05 Batch: WG1764384-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678

Project Number: 23-040 **Report Date:** 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/08/23 19:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,05 Batch: WG1764384-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	0.036	0.020	--	0.196	0.109	--		1
Toluene	ND	0.100	--	ND	0.377	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040
Lab Number: L2315678
Report Date: 04/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 04/08/23 19:04

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 02,05 Batch: WG1764384-4								
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1764138-3								
Dichlorodifluoromethane	110		-		70-130	-		25
Chloromethane	98		-		70-130	-		25
Freon-114	100		-		70-130	-		25
Vinyl chloride	97		-		70-130	-		25
1,3-Butadiene	94		-		70-130	-		25
Bromomethane	94		-		70-130	-		25
Chloroethane	97		-		70-130	-		25
Ethanol	83		-		40-160	-		25
Vinyl bromide	88		-		70-130	-		25
Acetone	98		-		40-160	-		25
Trichlorofluoromethane	107		-		70-130	-		25
Isopropanol	87		-		40-160	-		25
1,1-Dichloroethene	100		-		70-130	-		25
Tertiary butyl Alcohol[1]	86		-		70-130	-		25
Methylene chloride	95		-		70-130	-		25
3-Chloropropene	106		-		70-130	-		25
Carbon disulfide	85		-		70-130	-		25
Freon-113	94		-		70-130	-		25
trans-1,2-Dichloroethene	97		-		70-130	-		25
1,1-Dichloroethane	99		-		70-130	-		25
Methyl tert butyl ether	88		-		70-130	-		25
2-Butanone	99		-		70-130	-		25
cis-1,2-Dichloroethene	104		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1764138-3								
Ethyl Acetate	102		-		70-130	-		25
Chloroform	104		-		70-130	-		25
Tetrahydrofuran	98		-		70-130	-		25
1,2-Dichloroethane	110		-		70-130	-		25
n-Hexane	102		-		70-130	-		25
1,1,1-Trichloroethane	108		-		70-130	-		25
Benzene	98		-		70-130	-		25
Carbon tetrachloride	114		-		70-130	-		25
Cyclohexane	104		-		70-130	-		25
1,2-Dichloropropane	102		-		70-130	-		25
Bromodichloromethane	112		-		70-130	-		25
1,4-Dioxane	105		-		70-130	-		25
Trichloroethene	100		-		70-130	-		25
2,2,4-Trimethylpentane	107		-		70-130	-		25
cis-1,3-Dichloropropene	111		-		70-130	-		25
4-Methyl-2-pentanone	113		-		70-130	-		25
trans-1,3-Dichloropropene	97		-		70-130	-		25
1,1,2-Trichloroethane	108		-		70-130	-		25
Toluene	89		-		70-130	-		25
2-Hexanone	94		-		70-130	-		25
Dibromochloromethane	106		-		70-130	-		25
1,2-Dibromoethane	94		-		70-130	-		25
Tetrachloroethene	92		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-06 Batch: WG1764138-3								
Chlorobenzene	96		-		70-130	-		25
Ethylbenzene	102		-		70-130	-		25
p/m-Xylene	104		-		70-130	-		25
Bromoform	109		-		70-130	-		25
Styrene	100		-		70-130	-		25
1,1,2,2-Tetrachloroethane	99		-		70-130	-		25
o-Xylene	105		-		70-130	-		25
4-Ethyltoluene	103		-		70-130	-		25
1,3,5-Trimethybenzene	106		-		70-130	-		25
1,2,4-Trimethylbenzene	104		-		70-130	-		25
Benzyl chloride	97		-		70-130	-		25
1,3-Dichlorobenzene	99		-		70-130	-		25
1,4-Dichlorobenzene	101		-		70-130	-		25
1,2-Dichlorobenzene	102		-		70-130	-		25
1,2,4-Trichlorobenzene	97		-		70-130	-		25
Hexachlorobutadiene	96		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,05 Batch: WG1764384-3								
Dichlorodifluoromethane	86		-		70-130	-		25
Chloromethane	97		-		70-130	-		25
Freon-114	83		-		70-130	-		25
Vinyl chloride	82		-		70-130	-		25
1,3-Butadiene	84		-		70-130	-		25
Bromomethane	83		-		70-130	-		25
Chloroethane	73		-		70-130	-		25
Ethanol	80		-		40-160	-		25
Vinyl bromide	80		-		70-130	-		25
Acetone	78		-		40-160	-		25
Trichlorofluoromethane	88		-		70-130	-		25
Isopropanol	76		-		40-160	-		25
1,1-Dichloroethene	83		-		70-130	-		25
Tertiary butyl Alcohol[1]	**63**	Q	-		70-130	-		25
Methylene chloride	92		-		70-130	-		25
3-Chloropropene	79		-		70-130	-		25
Carbon disulfide	72		-		70-130	-		25
Freon-113	85		-		70-130	-		25
trans-1,2-Dichloroethene	96		-		70-130	-		25
1,1-Dichloroethane	100		-		70-130	-		25
Methyl tert butyl ether	81		-		70-130	-		25
2-Butanone	98		-		70-130	-		25
cis-1,2-Dichloroethene	100		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,05 Batch: WG1764384-3								
Ethyl Acetate	98		-		70-130	-		25
Chloroform	94		-		70-130	-		25
Tetrahydrofuran	93		-		70-130	-		25
1,2-Dichloroethane	98		-		70-130	-		25
n-Hexane	89		-		70-130	-		25
1,1,1-Trichloroethane	96		-		70-130	-		25
Benzene	88		-		70-130	-		25
Carbon tetrachloride	93		-		70-130	-		25
Cyclohexane	85		-		70-130	-		25
1,2-Dichloropropane	98		-		70-130	-		25
Bromodichloromethane	92		-		70-130	-		25
1,4-Dioxane	93		-		70-130	-		25
Trichloroethene	95		-		70-130	-		25
2,2,4-Trimethylpentane	93		-		70-130	-		25
cis-1,3-Dichloropropene	91		-		70-130	-		25
4-Methyl-2-pentanone	100		-		70-130	-		25
trans-1,3-Dichloropropene	78		-		70-130	-		25
1,1,2-Trichloroethane	102		-		70-130	-		25
Toluene	94		-		70-130	-		25
2-Hexanone	96		-		70-130	-		25
Dibromochloromethane	100		-		70-130	-		25
1,2-Dibromoethane	104		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MODOCK RD SPRINGS/DLS

Project Number: 23-040

Lab Number: L2315678

Report Date: 04/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 02,05 Batch: WG1764384-3								
Chlorobenzene	100		-		70-130	-		25
Ethylbenzene	113		-		70-130	-		25
p/m-Xylene	117		-		70-130	-		25
Bromoform	112		-		70-130	-		25
Styrene	109		-		70-130	-		25
1,1,2,2-Tetrachloroethane	97		-		70-130	-		25
o-Xylene	117		-		70-130	-		25
4-Ethyltoluene	97		-		70-130	-		25
1,3,5-Trimethybenzene	102		-		70-130	-		25
1,2,4-Trimethylbenzene	103		-		70-130	-		25
Benzyl chloride	95		-		70-130	-		25
1,3-Dichlorobenzene	117		-		70-130	-		25
1,4-Dichlorobenzene	121		-		70-130	-		25
1,2-Dichlorobenzene	105		-		70-130	-		25
1,2,4-Trichlorobenzene	104		-		70-130	-		25
Hexachlorobutadiene	106		-		70-130	-		25

Project Name: MODOCK RD SPRINGS/DLS **Lab Number:** L2315678

Project Number: 23-040 **Report Date:** 04/10/23

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
L2315678-01	AA-7572 TROTWOOD	02079	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	2.8	7
L2315678-01	AA-7572 TROTWOOD	2655	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.6	-1.9	-	-	-	-
L2315678-02	SS-7572 TROTWOOD	0323	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.1	3
L2315678-02	SS-7572 TROTWOOD	1799	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.5	-16.5	-	-	-	-
L2315678-03	IA-1ST FL-7572 TROTWOOD	0472	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	2.9	3
L2315678-03	IA-1ST FL-7572 TROTWOOD	1630	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.7	-11.8	-	-	-	-
L2315678-04	IA-2ND FL-7572 TROTWOOD	02237	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.1	3
L2315678-04	IA-2ND FL-7572 TROTWOOD	2896	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.8	-16.5	-	-	-	-
L2315678-05	DUP032223A	0587	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.0	0
L2315678-05	DUP032223A	3914	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.6	-14.0	-	-	-	-
L2315678-06	DUP032223B	02275	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.7	21
L2315678-06	DUP032223B	3924	6.0L Can	03/20/23	417288	L2310852-09	Pass	-28.6	-3.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2310852
Report Date: 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/03/23 00:18
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2310852

Project Number: CANISTER QC BAT **Report Date:** 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		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: L2310852
Report Date: 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
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: L2310852
Report Date: 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2310852

Project Number: CANISTER QC BAT **Report Date:** 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2310852
Report Date: 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/03/23 00:18
Analyst: RAY

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2310852

Project Number: CANISTER QC BAT **Report Date:** 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2310852

Project Number: CANISTER QC BAT **Report Date:** 04/10/23

Air Canister Certification Results

Lab ID: L2310852-09
Client ID: CAN 2800 SHELF 49
Sample Location:

Date Collected: 03/02/23 11:00
Date Received: 03/02/23
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	89		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040

Lab Number: L2315678
Report Date: 04/10/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2315678-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2315678-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2315678-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2315678-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2315678-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2315678-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	MODOCK RD SPRINGS/DLS	**Lab Number:**	L2315678
Project Number:	23-040	**Report Date:**	04/10/23

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:	MODOCK RD SPRINGS/DLS	**Lab Number:**	L2315678
Project Number:	23-040	**Report Date:**	04/10/23

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:	MODOCK RD SPRINGS/DLS	**Lab Number:**	L2315678
Project Number:	23-040	**Report Date:**	04/10/23

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/25/23

ALPHA Job #: L2315678

Client Information

Client: Marks Engineering
Address: 4303 Routes 5 & 20
Canandaigua, NY 14424
Phone: 585-500-8392
Fax:
Email: JWolf@marksengineering.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Modock Rd Springs / DES
Project Location: Victor, NY
Project #: 23-040
Project Manager: Jeremy Wolf
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: CAT B NYSDEC EDD
Report to: (if different than Project Manager) JWolf@marksengineering.com

Billing Information

☒ Same as Client info PO #: 23-040

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

1158

02079

All 24 HR Samples

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
15678-01	AA-7572 Trotwood	3/23/23	[illegible]	0914	-30.08	NR	AA	JSW	6L	2655	[illegible]	X					No final vac reading on gauge?
-02	SS-7572 Trotwood	3/23/23	1157	0937	-29.66	-15.70	SSV	JSW	6L	1779	0323	X					
-03	IA-1st FL-7572 Trotwood	3/23/23	1156	0916	-28.32	-12.05	IA	JSW	6L	1630	0472	X					
-04	IA-2nd FL-7572 Trotwood	3/23/23	1155	0925	-29.56	-15.95	IA	JSW	6L	2896	02237	X					
-05	DUP032223 A	3/23/23	1200	0940	-29.71	-12.88	SSV	JSW	6L	3914	0587	X					
-06	DUP 032223 B	3/23/23	1300	1020	-29.86	-3.18	IA	JSW	6L	3924	02275	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	3/24/23	W Mott AAC	3/24/23 12:06
W Mott AAC 3/25/23	9/24/23 68	[signature]	3/25/23 0040
[signature]	3/25/23 0700	[signature] AAC	3/25/23 07:00

Exhibit B
Laboratory Report
(Full Category B Packages)
(Provided Electronically)

Table of Contents

Table of Contents

MarksEngineering

Exhibit C
Data Usability Summary Report
(DUSR)

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Modock Road Springs/DLS
Victor, NY
Project #: 23-040

SDGs: L2315678
6 Air Samples

Prepared for:

Marks Engineering
4303 Routes 5 & 20
Canandaigua, NY 14424
Attention: Jeremy Wolf

April 2023

EDU *Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585-991-9156*

Table of Contents

Tables

REVIEWER'S NARRATIVE
SDG L2315678 Marks Engineering Modock Road Springs/DLS

The data associated with this Sample Delivery Group (SDG), analyzed by Alpha Analytical Westborough, MA have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 4/20/2023

Michael K. Perry
Chemist

1.0 SUMMARY

SITE:	Modock Road Springs/DLS Victor, NY Project No. 22-040
SAMPLING DATE:	March 23, 2023
SAMPLE TYPE:	6 air samples
LABORATORY:	Alpha Analytical Westborough, MA
SDG No.:	L2315678

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for six air samples collected on March 23, 2023. These samples were analyzed for TO-15 Volatile Organic Compounds.

All laboratory analyses were performed by ALPHA Analytical, Westborough, MA and analyzed as SDG L2315678. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents appropriate for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results were selected from those listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

Guidance Used For Validating Laboratory Analytical Data

Analyte Group	Guidance	Date
Metals (ICP-AES)	USEPA SOP HW-3a, Rev. 1	September 2016
Metals (Hg & CN)	USEPA SOP HW-3c, Rev. 1	September 2016
Volatile Organic Compounds (by Methods 8260B & 8260C)	USEPA SOP HW-24, Rev. 4	September 2014
Semi-Volatile Organic Compounds (by Method 8270D)	USEPA SOP HW-22 Rev. 5	December 2010
Pesticides (by Method 8181B)	USEPA SOP HW-44, Rev. 1.1	December 2010
Chlorinated Herbicides (by Method 8151A)	USEPA SOP HW-17, Rev. 3.1	December 2010
Polychlorinated Biphenyls (PCBs)	USEPA SOP HW-37A, Rev. 0	June 2015
Volatile Organic Compounds (Air) (by Method TO-15)	USEPA SOP HW-31, Rev. 6	September 2016
Per- and PolyFluoroAlkyl Substances (PFAS)	* NYSDEC	January 2021
General Chemistry Parameters	per NYSDEC ASP	July 2005

* Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs, Appendix I

TABLE 4-2

QUALITY CONTROL CRITERIA USED FOR VALIDATING LABORATORY ANALYTICAL DATA

VOCs	SVOCs	Pesticides/PCBs	Metals	Gen Chemistry	PFAS
Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg	Completeness of Pkg
Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation	Sample Preservation
Holding Time	Holding Time	Holding Time	Holding Time	Holding Times	Holding Time
System Monitoring Compounds	Surrogate Recoveries	Surrogate Recoveries	Initial/Continuing Calibration	Calibration	Instr Performance Check
Lab Control Sample	Lab Control Sample	Matrix Spikes	CRDL Standards	Lab Control Samples	Initial Calibration
Matrix Spikes	Matrix Spikes	Blanks	Blanks	Blanks	Continuing Calibration
Blanks	Blanks	Instrument Calibration & Verification	Interference Check Sample	Spike Recoveries	Blanks
Instrument Tuning	Instrument Tuning	Comparison of duplicate GC column results	Spike Recoveries	Lab Duplicates	Surrogates
Internal Standards	Internal Standards	Analyte ID	Lab Duplicate		Lab Fortified Blank
Initial Calibration	Initial Calibration	Lab Qualifiers	Lab Control Sample		Matrix Spikes
Continuing Calibration	Continuing Calibration	Field Duplicate	ICP Serial Dilutions		Internal Standards
Lab Qualifiers	Lab Qualifiers		Lab Qualifiers		
Field Duplicate	Field Duplicate		Field Duplicate		

Method TO-15 (Air)
Completeness of Pkg
Sample Preservation
Holding Time
Canister Certification
Instrument Tuning
Initial Calibration and Instrument Performance
Daily Calibration
Blanks
Lab Control Sample
Field Duplicate

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

U The analyte was analyzed for but was not detected at or above the sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any ± value associated with the result is not determined by data validation).

J+ The result is an estimated quantity and may be biased high.

J- The result is an estimated quantity and may be biased low.

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

R The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated in red print. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The table lists the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG L2315678, six samples were analyzed and results were reported for 384 analytes. Even though some results were flagged with a "J" as estimated, all results (100 %) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

Table 6-1 TO-15-SIM

SAMPLES AFFECTED	ANALYTES	ACTION	QC VIOLATION	COMMENTS
IA-1st FL-7572 Trotwood DUP032223B	Tetrachloroethene	J detects	Field Dup % D > 50 %	Data are estimated

ACRONYMS

BSP	Blank Spike
CCAL	Continuing Calibration
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
%D	Percent Difference
ICAL	Initial Calibration
ICB	Initial Calibration Blank
IS	Internal Standard
LCS	Laboratory Control Sample
MS/MSD	Matrix Spike/Matrix Spike Duplicate
QA	Quality Assurance
QC	Quality Control
%R	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
%RSD	Percent Relative Standard Deviation
TAL	Target Analyte List (metals)
TCL	Target Compound List (organics)

Appendix A

Validated Analytical Results

www.alphalab.com

Alpha Analytical

Laboratory Code: 11148

SDG Number: L2315678

Project Name: MODOCK RD SPRINGS/DLS
Project Number: 23-040

Lab Number: L2315678
Report Date: 04/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2315678-01	AA-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:14	03/24/23
L2315678-02	SS-7572 TROTWOOD	SOIL_VAPOR	VICTOR, NY	03/23/23 09:37	03/24/23
L2315678-03	IA-1ST FL-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:16	03/24/23
L2315678-04	IA-2ND FL-7572 TROTWOOD	AIR	VICTOR, NY	03/23/23 09:25	03/24/23
L2315678-05	DUP032223A	SOIL_VAPOR	VICTOR, NY	03/23/23 09:40	03/24/23
L2315678-06	DUP032223B	AIR	VICTOR, NY	03/23/23 10:20	03/24/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 20, 2023. The canister certification results are provided as an addendum.

L2315678-02D and -05D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2315678-02D2 and -05D2: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2315678-04D: The canister vacuum measured on receipt at the laboratory was > 15 in. Hg. Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to facilitate the transfer of sample to the Gas Chromatograph. The addition of Nitrogen resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

Sample Receipt

L2315678-02,-04: The canister vacuums 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.

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 Report Date: 04/10/23

Title: Technical Director/Representative

Sample Delivery Group Summary

Alpha Job Number : L2315678

Account Name : Marks Engineering, PC
Project Number : 23-040
Project Name : MODOCK RD SPRINGS/DLS

Received : 24-MAR-2023
Reviewer : Jennifer Jerome

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
NA	Absent/			

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**YES**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 3/25/23

ALPHA Job #: L2315678

Client Information

Client: Marks Engineering
Address: 4303 Routes 5 & 20
Canandaigua, NY 14424
Phone: 585-500-8392
Fax:
Email: JWolf@marksengineering.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Modock Rd Springs / DES
Project Location: Victor, NY
Project #: 23-040
Project Manager: Jeremy Wolf
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: CAT B NYSDEC EDD
Report to: (if different than Project Manager) JWolf@marksengineering.com

Billing Information

☒ Same as Client info PO #: 23-040

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

1158

02079

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	ANALYSIS TO-15	TO-15 SIM	APH Subset Non-petroleum HCs ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
15678-01	AA-7572 Trotwood	3/23/23	[illegible]	0914	-30.08	NR	AA	JSW	6L	2655	[illegible]	X					No final vac reading on gauge?
-02	SS-7572 Trotwood	3/23/23	1157	0937	-29.66	-15.70	SSV	JSW	6L	1779	0323	X					
-03	IA-1st FL-7572 Trotwood	3/23/23	1156	0916	-28.32	-12.05	IA	JSW	6L	1630	0472	X					
-04	IA-2nd FL-7572 Trotwood	3/23/23	1155	0925	-29.56	-15.95	IA	JSW	6L	2896	02237	X					
-05	DUP032223 A	3/23/23	1200	0940	-29.71	-12.88	SSV	JSW	6L	3914	0587	X					
-06	DUP 032223 B	3/23/23	1300	1020	-29.86	-3.18	IA	JSW	6L	3924	02275	X					

All 24 HR Samples

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	3/24/23	W Mott AAC	3/24/23 12:06
W Mott AAC 3/25/23	9/24/23 GD	[signature]	3/25/23 0040
[signature]	3/25/23 0700	[signature] AAC	3/25/23 07:00

Form No: 101-02 Rev: (25-Sep-15)

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
L2315678-01	AA-7572 TROTWOOD	02079	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	2.8	7
L2315678-01	AA-7572 TROTWOOD	2655	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.6	-1.9	-	-	-	-
L2315678-02	SS-7572 TROTWOOD	0323	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.1	3
L2315678-02	SS-7572 TROTWOOD	1799	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.5	-16.5	-	-	-	-
L2315678-03	IA-1ST FL-7572 TROTWOOD	0472	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	2.9	3
L2315678-03	IA-1ST FL-7572 TROTWOOD	1630	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.7	-11.8	-	-	-	-
L2315678-04	IA-2ND FL-7572 TROTWOOD	02237	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.1	3
L2315678-04	IA-2ND FL-7572 TROTWOOD	2896	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.8	-16.5	-	-	-	-
L2315678-05	DUP032223A	0587	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.0	0
L2315678-05	DUP032223A	3914	6.0L Can	03/20/23	417288	L2310852-09	Pass	-29.6	-14.0	-	-	-	-
L2315678-06	DUP032223B	02275	Flow 5	03/20/23	417288		-	-	-	Pass	3.0	3.7	21
L2315678-06	DUP032223B	3924	6.0L Can	03/20/23	417288	L2310852-09	Pass	-28.6	-3.8	-	-	-	-

GC/MS VOA
Air Analysis
Selective Ion Monitoring

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-01	Date Collected	: 03/23/23 09:14
Client ID	: AA-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 18:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538398_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--	
74-87-3	Chloromethane	0.457	0.200	--	0.944	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
106-99-0	1,3-Butadiene	ND	0.020	--	ND	0.044	--	U
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	2.27	1.00	--	5.39	2.38	--	
75-69-4	Trichlorofluoromethane	0.211	0.050	--	1.19	0.281	--	
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.058	0.050	--	0.445	0.383	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.020	--	ND	0.098	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-01	Date Collected	: 03/23/23 09:14
Client ID	: AA-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 18:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538398_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.026	0.020	--	0.105	0.081	--	
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
71-43-2	Benzene	0.105	0.100	--	0.335	0.319	--	
56-23-5	Carbon tetrachloride	0.081	0.020	--	0.510	0.126	--	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.020	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	ND	0.020	--	ND	0.134	--	U
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	0.742	0.100	--	2.80	0.377	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	0.156	0.020	--	1.06	0.136	--	
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.055	0.020	--	0.239	0.087	--	
179601-23-1	p/m-Xylene	0.161	0.040	--	0.699	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.021	0.020	--	0.089	0.085	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-01	**Date Collected**	: 03/23/23 09:14
Client ID	: AA-7572 TROTWOOD	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/07/23 18:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538398_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.055	0.020	--	0.239	0.087	--	
622-96-8	4-Ethyltoluene	ND	0.020	--	ND	0.098	--	U
108-67-8	1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--	U
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-02D	Date Collected	: 03/23/23 09:37
Client ID	: SS-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/08/23 06:36
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538416_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 0.160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	87900	312	--	435000	1540	--	E
74-87-3	Chloromethane	ND	312	--	ND	644	--	U
76-14-2	Freon-114	ND	78.1	--	ND	546.	--	U
75-01-4	Vinyl chloride	ND	31.2	--	ND	79.8	--	U
106-99-0	1,3-Butadiene	ND	31.2	--	ND	69.0	--	U
74-83-9	Bromomethane	ND	31.2	--	ND	121.	--	U
75-00-3	Chloroethane	ND	156	--	ND	412.	--	U
64-17-5	Ethanol	ND	7810	--	ND	14700	--	U
593-60-2	Vinyl bromide	ND	312	--	ND	1360	--	U
67-64-1	Acetone	ND	1560	--	ND	3710	--	U
75-69-4	Trichlorofluoromethane	ND	78.1	--	ND	439.	--	U
67-63-0	Isopropanol	ND	781	--	ND	1920	--	U
75-35-4	1,1-Dichloroethene	ND	31.2	--	ND	124.	--	U
75-65-0	Tertiary butyl Alcohol	ND	781	--	ND	2370	--	U
75-09-2	Methylene chloride	ND	781	--	ND	2710	--	U
107-05-1	3-Chloropropene	ND	312	--	ND	977.	--	U
75-15-0	Carbon disulfide	ND	312	--	ND	972.	--	U
76-13-1	Freon-113	ND	78.1	--	ND	599.	--	U
156-60-5	trans-1,2-Dichloroethene	ND	31.2	--	ND	124.	--	U
75-34-3	1,1-Dichloroethane	ND	31.2	--	ND	126.	--	U
1634-04-4	Methyl tert butyl ether	ND	312	--	ND	1120	--	U
78-93-3	2-Butanone	ND	781	--	ND	2300	--	U
156-59-2	cis-1,2-Dichloroethene	ND	31.2	--	ND	124.	--	U
141-78-6	Ethyl Acetate	ND	781	--	ND	2810	--	U
67-66-3	Chloroform	ND	31.2	--	ND	152.	--	U
109-99-9	Tetrahydrofuran	ND	781	--	ND	2300	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-02D	Date Collected	: 03/23/23 09:37
Client ID	: SS-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/08/23 06:36
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538416_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 0.160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	31.2	--	ND	126.	--	U
110-54-3	n-Hexane	ND	312	--	ND	1100	--	U
71-55-6	1,1,1-Trichloroethane	ND	31.2	--	ND	170.	--	U
71-43-2	Benzene	ND	156	--	ND	498	--	U
56-23-5	Carbon tetrachloride	ND	31.2	--	ND	196.	--	U
110-82-7	Cyclohexane	ND	312	--	ND	1070	--	U
78-87-5	1,2-Dichloropropane	ND	31.2	--	ND	144.	--	U
75-27-4	Bromodichloromethane	ND	31.2	--	ND	209.	--	U
123-91-1	1,4-Dioxane	ND	156	--	ND	562.	--	U
79-01-6	Trichloroethene	ND	31.2	--	ND	168.	--	U
540-84-1	2,2,4-Trimethylpentane	ND	312	--	ND	1460	--	U
142-82-5	Heptane	ND	312	--	ND	1280	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	31.2	--	ND	142.	--	U
108-10-1	4-Methyl-2-pentanone	ND	781	--	ND	3200	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	31.2	--	ND	142.	--	U
79-00-5	1,1,2-Trichloroethane	ND	31.2	--	ND	170.	--	U
108-88-3	Toluene	ND	156	--	ND	588.	--	U
591-78-6	2-Hexanone	ND	312	--	ND	1280	--	U
124-48-1	Dibromochloromethane	ND	31.2	--	ND	266.	--	U
106-93-4	1,2-Dibromoethane	ND	31.2	--	ND	240.	--	U
127-18-4	Tetrachloroethene	40.6	31.2	--	275	212	--	
108-90-7	Chlorobenzene	ND	156	--	ND	718.	--	U
100-41-4	Ethylbenzene	ND	31.2	--	ND	136	--	U
179601-23-1	p/m-Xylene	ND	62.5	--	ND	271.	--	U
75-25-2	Bromoform	ND	31.2	--	ND	323.	--	U
100-42-5	Styrene	59.4	31.2	--	253	133	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-02D	**Date Collected**	: 03/23/23 09:37
Client ID	: SS-7572 TROTWOOD	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/08/23 06:36
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1563
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538416_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 0.160 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	31.2	--	ND	214.	--	U
95-47-6	o-Xylene	ND	31.2	--	ND	136.	--	U
622-96-8	4-Ethyltoluene	ND	31.2	--	ND	153.	--	U
108-67-8	1,3,5-Trimethybenzene	ND	31.2	--	ND	153.	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	31.2	--	ND	153.	--	U
100-44-7	Benzyl chloride	ND	156	--	ND	808.	--	U
541-73-1	1,3-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
106-46-7	1,4-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
95-50-1	1,2-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	78.1	--	ND	580.	--	U
87-68-3	Hexachlorobutadiene	ND	78.1	--	ND	833.	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-02D2	**Date Collected**	: 03/23/23 09:37
Client ID	: SS-7572 TROTWOOD	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/09/23 03:26
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 3571
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TJS
Lab File ID	: R1732845_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 0.0700 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	70200	714	--	347000	3530	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-03	Date Collected	: 03/23/23 09:16
Client ID	: IA-1ST FL-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 19:29
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538399_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	10.1	0.200	--	49.9	0.989	--	
74-87-3	Chloromethane	0.532	0.200	--	1.10	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
106-99-0	1,3-Butadiene	ND	0.020	--	ND	0.044	--	U
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	47.3	5.00	--	89.1	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	12.1	1.00	--	28.7	2.38	--	
75-69-4	Trichlorofluoromethane	0.565	0.050	--	3.18	0.281	--	
67-63-0	Isopropanol	1.95	0.500	--	4.79	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	4.56	0.500	--	15.8	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.073	0.050	--	0.560	0.383	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	1.41	0.500	--	4.16	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
141-78-6	Ethyl Acetate	0.856	0.500	--	3.08	1.80	--	
67-66-3	Chloroform	0.244	0.020	--	1.19	0.098	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-03	Date Collected	: 03/23/23 09:16
Client ID	: IA-1ST FL-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 19:29
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538399_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.265	0.020	--	1.07	0.081	--	
110-54-3	n-Hexane	3.13	0.200	--	11.0	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
71-43-2	Benzene	0.996	0.100	--	3.18	0.319	--	
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	
110-82-7	Cyclohexane	1.27	0.200	--	4.37	0.688	--	
78-87-5	1,2-Dichloropropane	0.033	0.020	--	0.153	0.092	--	
75-27-4	Bromodichloromethane	0.099	0.020	--	0.663	0.134	--	
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	0.037	0.020	--	0.199	0.107	--	
540-84-1	2,2,4-Trimethylpentane	0.743	0.200	--	3.47	0.934	--	
142-82-5	Heptane	0.806	0.200	--	3.30	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	3.78	0.100	--	14.2	0.377	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	0.404	0.020	--	2.74	0.136	--	J
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.333	0.020	--	1.45	0.087	--	
179601-23-1	p/m-Xylene	1.20	0.040	--	5.21	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.099	0.020	--	0.422	0.085	--	

MKP 4/20/2023

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-03	**Date Collected**	: 03/23/23 09:16
Client ID	: IA-1ST FL-7572 TROTWOOD	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/07/23 19:29
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538399_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.413	0.020	--	1.79	0.087	--	
622-96-8	4-Ethyltoluene	0.064	0.020	--	0.315	0.098	--	
108-67-8	1,3,5-Trimethybenzene	0.074	0.020	--	0.364	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.267	0.020	--	1.31	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-04D	Date Collected	: 03/23/23 09:25
Client ID	: IA-2ND FL-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 20:09
Sample Matrix	: AIR	Dilution Factor	: 1.563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538400_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	10.0	0.312	--	49.4	1.54	--	
74-87-3	Chloromethane	0.561	0.312	--	1.16	0.644	--	
76-14-2	Freon-114	ND	0.078	--	ND	0.546	--	U
75-01-4	Vinyl chloride	ND	0.031	--	ND	0.080	--	U
106-99-0	1,3-Butadiene	ND	0.031	--	ND	0.069	--	U
74-83-9	Bromomethane	ND	0.031	--	ND	0.121	--	U
75-00-3	Chloroethane	ND	0.156	--	ND	0.412	--	U
64-17-5	Ethanol	57.6	7.81	--	109	14.7	--	
593-60-2	Vinyl bromide	ND	0.312	--	ND	1.36	--	U
67-64-1	Acetone	11.8	1.56	--	28.0	3.71	--	
75-69-4	Trichlorofluoromethane	0.650	0.078	--	3.65	0.439	--	
67-63-0	Isopropanol	2.16	0.781	--	5.31	1.92	--	
75-35-4	1,1-Dichloroethene	ND	0.031	--	ND	0.124	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.781	--	ND	2.37	--	U
75-09-2	Methylene chloride	4.45	0.781	--	15.5	2.71	--	
107-05-1	3-Chloropropene	ND	0.312	--	ND	0.977	--	U
75-15-0	Carbon disulfide	ND	0.312	--	ND	0.972	--	U
76-13-1	Freon-113	ND	0.078	--	ND	0.599	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.031	--	ND	0.124	--	U
75-34-3	1,1-Dichloroethane	ND	0.031	--	ND	0.126	--	U
1634-04-4	Methyl tert butyl ether	ND	0.312	--	ND	1.12	--	U
78-93-3	2-Butanone	1.12	0.781	--	3.30	2.30	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.031	--	ND	0.124	--	U
141-78-6	Ethyl Acetate	ND	0.781	--	ND	2.81	--	U
67-66-3	Chloroform	0.247	0.031	--	1.21	0.152	--	
109-99-9	Tetrahydrofuran	ND	0.781	--	ND	2.30	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-04D	Date Collected	: 03/23/23 09:25
Client ID	: IA-2ND FL-7572 TROTWOOD	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 20:09
Sample Matrix	: AIR	Dilution Factor	: 1.563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538400_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.250	0.031	--	1.01	0.126	--	
110-54-3	n-Hexane	2.88	0.312	--	10.2	1.10	--	
71-55-6	1,1,1-Trichloroethane	ND	0.031	--	ND	0.170	--	U
71-43-2	Benzene	0.923	0.156	--	2.95	0.498	--	
56-23-5	Carbon tetrachloride	0.094	0.031	--	0.589	0.196	--	
110-82-7	Cyclohexane	0.639	0.312	--	2.20	1.07	--	
78-87-5	1,2-Dichloropropane	ND	0.031	--	ND	0.144	--	U
75-27-4	Bromodichloromethane	0.102	0.031	--	0.683	0.209	--	
123-91-1	1,4-Dioxane	ND	0.156	--	ND	0.562	--	U
79-01-6	Trichloroethene	ND	0.031	--	ND	0.168	--	U
540-84-1	2,2,4-Trimethylpentane	0.664	0.312	--	3.10	1.46	--	
142-82-5	Heptane	0.658	0.312	--	2.70	1.28	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.031	--	ND	0.142	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.781	--	ND	3.20	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.031	--	ND	0.142	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.031	--	ND	0.170	--	U
108-88-3	Toluene	2.34	0.156	--	8.82	0.588	--	
591-78-6	2-Hexanone	ND	0.312	--	ND	1.28	--	U
124-48-1	Dibromochloromethane	ND	0.031	--	ND	0.266	--	U
106-93-4	1,2-Dibromoethane	ND	0.031	--	ND	0.240	--	U
127-18-4	Tetrachloroethene	0.226	0.031	--	1.53	0.212	--	
108-90-7	Chlorobenzene	ND	0.156	--	ND	0.718	--	U
100-41-4	Ethylbenzene	0.244	0.031	--	1.06	0.136	--	
179601-23-1	p/m-Xylene	0.881	0.063	--	3.83	0.271	--	
75-25-2	Bromoform	ND	0.031	--	ND	0.323	--	U
100-42-5	Styrene	0.081	0.031	--	0.346	0.133	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-04D	**Date Collected**	: 03/23/23 09:25
Client ID	: IA-2ND FL-7572 TROTWOOD	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/07/23 20:09
Sample Matrix	: AIR	**Dilution Factor**	: 1.563
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538400_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 160 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.031	--	ND	0.214	--	U
95-47-6	o-Xylene	0.312	0.031	--	1.36	0.136	--	
622-96-8	4-Ethyltoluene	0.048	0.031	--	0.238	0.153	--	
108-67-8	1,3,5-Trimethybenzene	0.058	0.031	--	0.284	0.153	--	
95-63-6	1,2,4-Trimethylbenzene	0.217	0.031	--	1.07	0.153	--	
100-44-7	Benzyl chloride	ND	0.156	--	ND	0.808	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.031	--	ND	0.188	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.031	--	ND	0.188	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.031	--	ND	0.188	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.078	--	ND	0.580	--	U
87-68-3	Hexachlorobutadiene	ND	0.078	--	ND	0.833	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-05D	Date Collected	: 03/23/23 09:40
Client ID	: DUP032223A	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/08/23 07:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538417_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 0.160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	92600	312	--	458000	1540	--	E
74-87-3	Chloromethane	ND	312	--	ND	644.	--	U
76-14-2	Freon-114	ND	78.1	--	ND	546.	--	U
75-01-4	Vinyl chloride	ND	31.2	--	ND	79.8	--	U
106-99-0	1,3-Butadiene	ND	31.2	--	ND	69.0	--	U
74-83-9	Bromomethane	ND	31.2	--	ND	121.	--	U
75-00-3	Chloroethane	ND	156	--	ND	412.	--	U
64-17-5	Ethanol	ND	7810	--	ND	14700	--	U
593-60-2	Vinyl bromide	ND	312	--	ND	1360	--	U
67-64-1	Acetone	ND	1560	--	ND	3710	--	U
75-69-4	Trichlorofluoromethane	ND	78.1	--	ND	439.	--	U
67-63-0	Isopropanol	ND	781	--	ND	1920	--	U
75-35-4	1,1-Dichloroethene	ND	31.2	--	ND	124.	--	U
75-65-0	Tertiary butyl Alcohol	ND	781	--	ND	2370	--	U
75-09-2	Methylene chloride	ND	781	--	ND	2710	--	U
107-05-1	3-Chloropropene	ND	312	--	ND	977.	--	U
75-15-0	Carbon disulfide	ND	312	--	ND	972.	--	U
76-13-1	Freon-113	ND	78.1	--	ND	599.	--	U
156-60-5	trans-1,2-Dichloroethene	ND	31.2	--	ND	124.	--	U
75-34-3	1,1-Dichloroethane	ND	31.2	--	ND	126.	--	U
1634-04-4	Methyl tert butyl ether	ND	312	--	ND	1120	--	U
78-93-3	2-Butanone	ND	781	--	ND	2300	--	U
156-59-2	cis-1,2-Dichloroethene	ND	31.2	--	ND	124.	--	U
141-78-6	Ethyl Acetate	ND	781	--	ND	2810	--	U
67-66-3	Chloroform	ND	31.2	--	ND	152.	--	U
109-99-9	Tetrahydrofuran	ND	781	--	ND	2300	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-05D	Date Collected	: 03/23/23 09:40
Client ID	: DUP032223A	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/08/23 07:13
Sample Matrix	: SOIL_VAPOR	Dilution Factor	: 1563
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538417_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 0.160 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	ND	31.2	--	ND	126.	--	U
110-54-3	n-Hexane	ND	312	--	ND	1100	--	U
71-55-6	1,1,1-Trichloroethane	ND	31.2	--	ND	170.	--	U
71-43-2	Benzene	ND	156	--	ND	498	--	U
56-23-5	Carbon tetrachloride	ND	31.2	--	ND	196.	--	U
110-82-7	Cyclohexane	ND	312	--	ND	1070	--	U
78-87-5	1,2-Dichloropropane	ND	31.2	--	ND	144.	--	U
75-27-4	Bromodichloromethane	ND	31.2	--	ND	209.	--	U
123-91-1	1,4-Dioxane	ND	156	--	ND	562.	--	U
79-01-6	Trichloroethene	ND	31.2	--	ND	168.	--	U
540-84-1	2,2,4-Trimethylpentane	ND	312	--	ND	1460	--	U
142-82-5	Heptane	ND	312	--	ND	1280	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	31.2	--	ND	142.	--	U
108-10-1	4-Methyl-2-pentanone	ND	781	--	ND	3200	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	31.2	--	ND	142.	--	U
79-00-5	1,1,2-Trichloroethane	ND	31.2	--	ND	170.	--	U
108-88-3	Toluene	ND	156	--	ND	588.	--	U
591-78-6	2-Hexanone	ND	312	--	ND	1280	--	U
124-48-1	Dibromochloromethane	ND	31.2	--	ND	266.	--	U
106-93-4	1,2-Dibromoethane	ND	31.2	--	ND	240.	--	U
127-18-4	Tetrachloroethene	ND	31.2	--	ND	212	--	U
108-90-7	Chlorobenzene	ND	156	--	ND	718.	--	U
100-41-4	Ethylbenzene	ND	31.2	--	ND	136	--	U
179601-23-1	p/m-Xylene	ND	62.5	--	ND	271.	--	U
75-25-2	Bromoform	ND	31.2	--	ND	323.	--	U
100-42-5	Styrene	67.2	31.2	--	286	133	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-05D	**Date Collected**	: 03/23/23 09:40
Client ID	: DUP032223A	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/08/23 07:13
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 1563
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538417_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 0.160 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	31.2	--	ND	214.	--	U
95-47-6	o-Xylene	ND	31.2	--	ND	136.	--	U
622-96-8	4-Ethyltoluene	ND	31.2	--	ND	153.	--	U
108-67-8	1,3,5-Trimethybenzene	ND	31.2	--	ND	153.	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	31.2	--	ND	153.	--	U
100-44-7	Benzyl chloride	ND	156	--	ND	808.	--	U
541-73-1	1,3-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
106-46-7	1,4-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
95-50-1	1,2-Dichlorobenzene	ND	31.2	--	ND	188.	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	78.1	--	ND	580.	--	U
87-68-3	Hexachlorobutadiene	ND	78.1	--	ND	833.	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-05D2	**Date Collected**	: 03/23/23 09:40
Client ID	: DUP032223A	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/09/23 04:03
Sample Matrix	: SOIL_VAPOR	**Dilution Factor**	: 4167
Analytical Method	: 48,TO-15-SIM	**Analyst**	: TJS
Lab File ID	: R1732846_EV2	**Instrument ID**	: AIRLAB17
Sample Amount	: 0.0600 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
75-71-8	Dichlorodifluoromethane	82400	833	--	407000	4120	--	

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-06	Date Collected	: 03/23/23 10:20
Client ID	: DUP032223B	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 20:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538401_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
75-71-8	Dichlorodifluoromethane	10.6	0.200	--	52.4	0.989	--	
74-87-3	Chloromethane	0.532	0.200	--	1.10	0.413	--	
76-14-2	Freon-114	ND	0.050	--	ND	0.349	--	U
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
106-99-0	1,3-Butadiene	ND	0.020	--	ND	0.044	--	U
74-83-9	Bromomethane	ND	0.020	--	ND	0.078	--	U
75-00-3	Chloroethane	ND	0.100	--	ND	0.264	--	U
64-17-5	Ethanol	45.2	5.00	--	85.2	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	11.9	1.00	--	28.3	2.38	--	
75-69-4	Trichlorofluoromethane	0.588	0.050	--	3.30	0.281	--	
67-63-0	Isopropanol	1.98	0.500	--	4.87	1.23	--	
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	4.48	0.500	--	15.6	1.74	--	
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	0.060	0.050	--	0.460	0.383	--	
156-60-5	trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
75-34-3	1,1-Dichloroethane	ND	0.020	--	ND	0.081	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.949	0.500	--	2.80	1.47	--	
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.261	0.020	--	1.27	0.098	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	Lab Number	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	Project Number	: 23-040
Lab ID	: L2315678-06	Date Collected	: 03/23/23 10:20
Client ID	: DUP032223B	Date Received	: 03/24/23
Sample Location	: VICTOR, NY	Date Analyzed	: 04/07/23 20:48
Sample Matrix	: AIR	Dilution Factor	: 1
Analytical Method	: 48,TO-15-SIM	Analyst	: NFL
Lab File ID	: R1538401_EV2	Instrument ID	: AIRLAB15
Sample Amount	: 250 ml	GC Column	: RTX-1

		ppbV			ug/m3			
CAS NO.	Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier
107-06-2	1,2-Dichloroethane	0.278	0.020	--	1.13	0.081	--	
110-54-3	n-Hexane	3.08	0.200	--	10.9	0.705	--	
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
71-43-2	Benzene	0.979	0.100	--	3.13	0.319	--	
56-23-5	Carbon tetrachloride	0.084	0.020	--	0.528	0.126	--	
110-82-7	Cyclohexane	0.682	0.200	--	2.35	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.020	--	ND	0.092	--	U
75-27-4	Bromodichloromethane	0.097	0.020	--	0.650	0.134	--	
123-91-1	1,4-Dioxane	ND	0.100	--	ND	0.360	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
540-84-1	2,2,4-Trimethylpentane	0.723	0.200	--	3.38	0.934	--	
142-82-5	Heptane	0.682	0.200	--	2.79	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--	U
108-88-3	Toluene	2.36	0.100	--	8.89	0.377	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.020	--	ND	0.170	--	U
106-93-4	1,2-Dibromoethane	ND	0.020	--	ND	0.154	--	U
127-18-4	Tetrachloroethene	0.175	0.020	--	1.19	0.136	--	J
108-90-7	Chlorobenzene	ND	0.100	--	ND	0.461	--	U
100-41-4	Ethylbenzene	0.253	0.020	--	1.10	0.087	--	
179601-23-1	p/m-Xylene	0.935	0.040	--	4.06	0.174	--	
75-25-2	Bromoform	ND	0.020	--	ND	0.207	--	U
100-42-5	Styrene	0.074	0.020	--	0.315	0.085	--	

MKP 4/20/2023

Results Summary
Form 1
Volatile Organics in Air by SIM

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Lab ID	: L2315678-06	**Date Collected**	: 03/23/23 10:20
Client ID	: DUP032223B	**Date Received**	: 03/24/23
Sample Location	: VICTOR, NY	**Date Analyzed**	: 04/07/23 20:48
Sample Matrix	: AIR	**Dilution Factor**	: 1
Analytical Method	: 48,TO-15-SIM	**Analyst**	: NFL
Lab File ID	: R1538401_EV2	**Instrument ID**	: AIRLAB15
Sample Amount	: 250 ml	**GC Column**	: RTX-1

		ppbV			ug/m3			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--	U
95-47-6	o-Xylene	0.334	0.020	--	1.45	0.087	--	
622-96-8	4-Ethyltoluene	0.054	0.020	--	0.265	0.098	--	
108-67-8	1,3,5-Trimethybenzene	0.064	0.020	--	0.315	0.098	--	
95-63-6	1,2,4-Trimethylbenzene	0.246	0.020	--	1.21	0.098	--	
100-44-7	Benzyl chloride	ND	0.100	--	ND	0.518	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--	U
87-68-3	Hexachlorobutadiene	ND	0.050	--	ND	0.533	--	U

Appendix B

Laboratory QC Documentation

Laboratory Control Sample Summary
Form 3
Air Volatiles

Client	: Marks Engineering, PC	**Lab Number**	: L2315678
Project Name	: MODOCK RD SPRINGS/DLS	**Project Number**	: 23-040
Matrix (Level)	: AIR (LOW)		
LCS Sample ID	: WG1764384-3 **Analysis Date** : 04/08/23 14:59	**File ID**	: r1732830_Ev2
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R	RPD	Recovery Limits	RPD Limit
Dichlorodifluoromethane	5	4.30	86				-	70-130	25
Chloromethane	5	4.85	97				-	70-130	25
Freon-114	5	4.17	83				-	70-130	25
Vinyl chloride	5	4.10	82				-	70-130	25
1,3-Butadiene	5	4.18	84				-	70-130	25
Bromomethane	5	4.13	83				-	70-130	25
Chloroethane	5	3.63	73				-	70-130	25
Ethanol	25	20.1	80				-	40-160	25
Vinyl bromide	5	4.01	80				-	70-130	25
Acetone	25	19.6	78				-	40-160	25
Trichlorofluoromethane	5	4.42	88				-	70-130	25
Isopropanol	12.5	9.54	76				-	40-160	25
1,1-Dichloroethene	5	4.14	83				-	70-130	25
Tertiary butyl Alcohol	5	3.13	63 Q				-	70-130	25
Methylene chloride	5	4.61	92				-	70-130	25
3-Chloropropene	5	3.95	79				-	70-130	25
Carbon disulfide	5	3.61	72				-	70-130	25
Freon-113	5	4.24	85				-	70-130	25
trans-1,2-Dichloroethene	5	4.82	96				-	70-130	25
1,1-Dichloroethane	5	5.02	100				-	70-130	25
Methyl tert butyl ether	5	4.04	81				-	70-130	25
2-Butanone	5	4.92	98				-	70-130	25
cis-1,2-Dichloroethene	5	5.02	100				-	70-130	25
Ethyl Acetate	5	4.92	98				-	70-130	25
Chloroform	5	4.72	94				-	70-130	25
Tetrahydrofuran	5	4.66	93				-	70-130	25

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

MarksEngineering

Exhibit D
Electronic Data Deliverables
(EDDs)
(Provided Electronically)

jwolf@marksengineering.com

From: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Sent: Tuesday, June 6, 2023 5:31 PM
To: rnoll@LaBellaPC.com; Gregory, Charles T (DEC)
Cc: jwolf@marksengineering.com
Subject: RE: New SVI EDD set for Modock Springs-DLS Sand and Gravel, Inc., Site 835013

Rebecca,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDD "20230524 1243.835013.NYSDEC_MERGE" to Modock Springs-DLS Sand and Gravel, Inc. in the NYSDEC EQuIS database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team

NEW YORK STATE | Department of Environmental Conservation

From: Noll, Rebecca <rnoll@LaBellaPC.com>
Sent: Wednesday, May 24, 2023 12:48 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>; Gregory, Charles T (DEC) <Charles.Gregory@dec.ny.gov>
Cc: jwolf@marksengineering.com
Subject: New SVI EDD set for Modock Springs-DLS Sand and Gravel, Inc., Site 835013

Attached please find a new SVI EDD set, including new location data, for Modock Springs-DLS Sand and Gravel, Inc., Site 835013.

Rebecca Noll
LaBella Associates | GIS & Environmental Specialist

300 State Street, Suite 201
Rochester, NY 14614
labellapc.com