GALLAGHER BASSETT | TECHNICAL SERVICES

PERIODIC REVIEW REPORT

400 Block Restoration Area

NYSDEC Site ID: B00148

413-441 Main Street and 366, 370 and 372 Mill Street

Poughkeepsie, Dutchess County, New York

May 12, 2021

GBTS File: CP9920

---

22 IBM Road – Suite 101
Poughkeepsie, NY 12601
O: 845-452-1658
www.gallagherbassett.com

PERIODIC REVIEW REPORT

May 12, 2021

GBTS File: CP9920

Prepared By:

Gallagher Bassett Technical Services
22 IBM Road, Suite 101
Poughkeepsie, New York 12601

Prepared For:

City of Poughkeepsie
c/o – Joseph Chenier, CPESC
62 Civic Center Plaza
Poughkeepsie, New York 12601

Environmental services were performed by Gallagher Bassett Technical Services (GBTS) under the direct supervision of a Qualified Environmental Professional (QEP) as defined by 6 NYCRR Part 375-1.2 (ak). The undersigned have reviewed this Periodic Review Report and certify to City of Poughkeepsie that the information provided in this document is accurate as of the date of issuance by this office.

James Blaney, CHMM	May 12, 2021	
QEP, GBTS	Date	Signature
Richard Hooker	May 12, 2021	
Manager, GBTS	Date	Signature

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 Purpose

This Periodic Review Report (PRR), prepared by Gallagher Bassett Technical Services (GBTS), details site management activities at the 400 Block Restoration Area (NYSDEC ID: B00148), conducted under the approved Site Management Plan (SMP; November 2005). The reporting period is July 1, 2018 to March 31, 2021. The Site is located at 413-441 Main Street and 366, 370 and 372 Mill Street, Poughkeepsie, New York, and was remediated in accordance with a NYSDEC Record of Decision issued in March 2000. Figure 1, Appendix A, shows the Site location.

1.2 Site Description

The Site is an approximately 1.5-acre residential and commercial property (City of Poughkeepsie tax lot: Section 6162, Block 78, Lot 213044) located on the northern side of Main Street and the southern side of Mill Street. The lot contains three, 3-story structures that occupy the entirety of the property's southern frontage along Main Street.

2.0 BACKGROUND

2.1 Site History

Prior to redevelopment activities the Site was developed with commercial structures and multiple family dwellings (as early as 1887). Adjoining properties have historically contained automotive repair facilities. Environmental investigations (summarized in the Final Engineering Report, March 2006) documented elevated concentrations of organic and inorganic compounds in Site media and several underground storage tanks (USTs).

2.2 Site Remediation and Engineering Controls

Site remediation conducted from 1999 to 2004 included the following components:

- Excavation and removal of six USTs, and soil impacted by petroleum, polychlorinated biphenyls and metals;
- Installation of a vapor barrier and an active sub-slab depressurization system (SSDS) at Site buildings;
- Installation of a composite cover system across the entire site, comprised of the concrete building foundation, a 2-foot soil cover, and exterior paved parking areas; and,
- Periodic groundwater monitoring.

2.3 Previous Monitoring Activities

Post- remediation groundwater monitoring indicated that the remedial action was effective (petroleum and metal contamination decreased and no significant impacts from contaminants of concern were reported by 2012). Sub-slab vapor testing in 2005 documented low levels of tetrachloroethylene (PCE), benzene, toluene and styrene (data were not consistent with a significant source area beneath the structures, but indicated a potential ongoing concern for soil vapor intrusion).

3.0 COMPLIANCE WITH ENGINEERING AND INSTITUTIONAL CONTROLS

3.1 Monitoring Activities During PRR Reporting Period

Site monitoring wells were sampled on July 23, 2019 (well MW-4 could not be located). PCE and/or related breakdown products were detected at low levels (below groundwater standards) at MW-2R-2, MW-3 and MW-6, and a low level of MTBE was reported at MW-3; no other volatile organic compounds (VOCs) were reported in groundwater. Slightly elevated selenium was reported in several wells. Identified contaminants are likely due to local groundwater conditions rather than from Site releases. Figure 2 shows detected concentrations of VOCs and metals in groundwater.

An inspection of the SSDS by GBTS in July 2019 showed that all three roof-mounted system fans were fully functional; sub-slab vacuum measurements, however, did not meet the required minimum criteria of 0.004 inches of water column. A Work Plan was submitted to NYSDEC, and soil vapor and indoor air testing was subsequently conducted on January 27, 2021. Sampling data, documented in a Letter Report dated March 10, 2021, indicated an absence of any indoor air contamination likely to be the result of soil vapor intrusion, and supported the conclusion that no significant vapor source areas are present beneath the on-site structures. Based on these findings, NYSDEC approved conversion of the SSDS to a passive system in March 2021 (this work has not yet been completed) and the SMP will be revised accordingly. A copy of the Letter Report is provided in Appendix C.

3.2 Remaining Contamination

Subsequent to the remedial activities conducted to date, remaining undisturbed original Site soils (either known or assumed to be contaminated) are located under the building slab and beneath exterior parking and landscaped/peripheral areas. Groundwater sampling to date indicates low-grade metal impacts (unlikely to be related to Site releases). Vapor contamination is present beneath Site buildings, but at levels requiring only passive use of the SSDS.

A SMP was prepared to manage remaining contamination, which includes an Engineering and Institutional Control Plan, a Monitoring and Sampling Plan, and an Operation and Maintenance Plan.

Since contaminated soil remains beneath the Site, Institutional and Engineering Controls are required to protect human health and the environment.

3.3 Engineering Control Plan Compliance

The ECs at the Site consist of a groundwater monitoring well network, composite cover system and a SSDS at the on-site structure. A map of the Site is provided in Figures 1 and 2, respectively. Photographs of EC components are presented in Appendix B.

MONITORING WELLS

The monitoring well network is comprised of five (5) wells: MW-2R-2, MW-3, MW-4, MW-5R and MW-6. The inspection of the well system was completed on January 27, 2021. Well MW-4 could not be located; all other wells were observed to be in operable condition.

COVER SYSTEM

The cover system is comprised of a minimum of 24 inches of clean soil (at exterior landscaped areas), concrete-covered sidewalks, asphalt pavement, and the concrete building slab.

The inspection of the cover system was completed on January 27, 2021. The cover system was observed to be in good condition at the time of the inspection and no significant cracks, vegetation between cracks, ponding of surface water or surface depressions were noted. During the site-wide inspection, Martin Robinson (the Building Supervisor) stated that no ground intrusive activities or events that would have resulted in disturbance to the cover system have happened since the cover system was installed.

SUB-SLAB DEPRESSURIZATION SYSTEM

A SSDS was installed beneath the on-site building to intercept sub-slab vapors before they enter the interior of the structure. The system is comprised of an active sub-slab depressurization system that was constructed with a series of horizontal, perforated PVC piping plumbed to three non-perforated vertical risers extending to three rooftop fans. As of March 2021, the SSDS is no longer required to be active and will be converted to a passive system (construction is expected to occur by summer of 2021).

3.4 Institutional Control Plan Compliance

A series of Institutional Controls (ICs) have been put into place to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to restricted residential uses only. Adherence to these ICs on the Site is required by the Environmental Easement (EE) and will be implemented under the SMP.

These ICs are:

- The property may be used for restricted residential use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement; and
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated.

As required by the SMP, the Site continues to be used as a mixed-use (residential and commercial) property. The applicable ICs are being complied with and groundwater is not in use at the Site at this time. The ICs are currently implemented at the Site and are effective for protecting human health and the environment.

3.5 Site Management Plan Compliance

The Site is in compliance with the SMP, which requires routine measures necessary to operate and maintain the Site ECs and specifies the following:

- Continuation of groundwater monitoring;
- Annual SSDS inspection (as of March 2021, the SSDS may be operated passively);
- Annual inspection of the soil barrier layer; and,
- Implementation (as required) of a Soil Management Plan.

4.0 CONCLUSIONS

The ECs and ICs at this Site continue to operate as intended and effectively protect human health and the environment. Monitoring of these controls as required by the SMP has documented continued system efficacy during this reporting period. The SSDS should be converted to a passive system. At least one additional round of groundwater sampling should be conducted and a request should be made to NYSDEC to terminate the groundwater monitoring program if groundwater results continue to show no significant contamination potentially related to contaminants of concern. The monitoring schedule for ICs and ECs should be followed, according to the requirements established in the SMP.

The services summarized in this PRR were conducted in accordance with the approved NYSDEC SMP, and are considered by GBTS to satisfy the requirements set forth in the SMP. A PRR will be submitted annually for this Site, until reporting frequency is reduced or site management is determined to no longer be necessary, as determined in consultation with the NYSDEC. The next report will be submitted by April 2022.

APPENDIX A

Figures

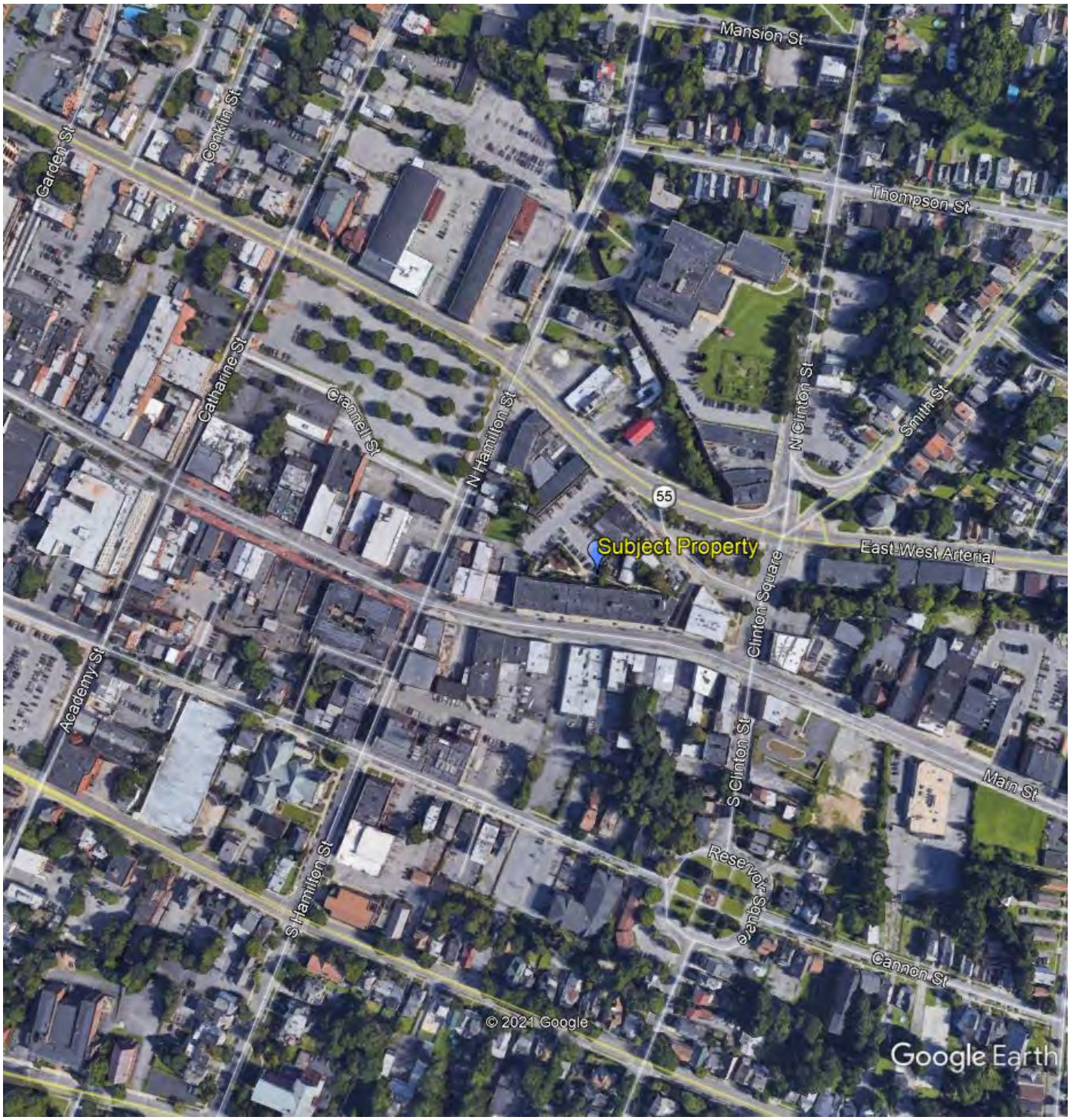


Figure 1: Site Location Map

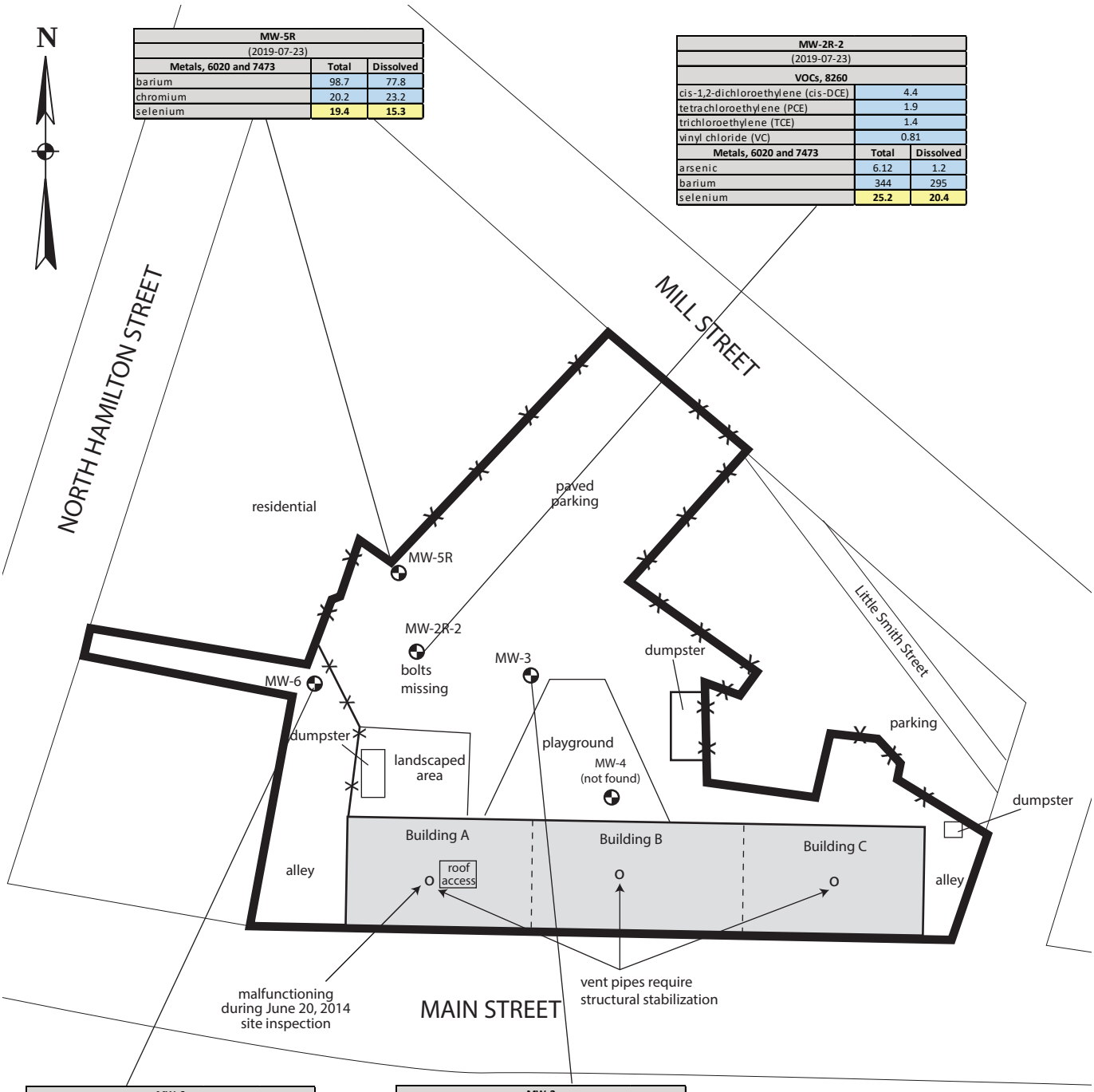
"400 Block"
413-441 Main Street and 366-372 Mill Street
City of Poughkeepsie
Dutchess County, New York

N

File: CP9920.51

May 2021

Appendix A



MW-5R (2019-07-23)		
Metals, 6020 and 7473	**Total**	**Dissolved**
barium	98.7	77.8
chromium	20.2	23.2
selenium	**19.4**	**15.3**

MW-2R-2 (2019-07-23)		
VOCs, 8260		
cis-1,2-dichloroethylene (cis-DCE)	4.4	
tetrachloroethylene (PCE)	1.9	
trichloroethylene (TCE)	1.4	
vinyl chloride (VC)	0.81	
Metals, 6020 and 7473	**Total**	**Dissolved**
arsenic	6.12	1.2
barium	344	295
selenium	**25.2**	**20.4**

MW-6 (2019-07-23)		
VOCs, 8260		
cis-1,2-dichloroethylene (cis-DCE)	1.5	
tetrachloroethylene (PCE)	0.39	
trichloroethylene (TCE)	0.37	
vinyl chloride (VC)	0.31	
Metals, 6020 and 7473	**Total**	**Dissolved**
arsenic	2.49	2.19
barium	57.2	57.3
selenium	7.19	**11.7**

MW-3 (2019-07-23)		
VOCs, 8260		
cis-1,2-dichloroethylene (cis-DCE)	0.93	
methyl tert-butyl ether (MTBE)	1.6	
trichloroethylene (TCE)	0.31	
Metals, 6020 and 7473	**Total**	**Dissolved**
arsenic	3.4	1.34
barium	457	303
chromium	ND	2.2
selenium	8.81	7.75

All data in µg/L (parts per billion, ppb)
ND = Non detect
Detected concentrations
Concentrations above AWQS

0 50 100

SCALE IN FEET (APPROXIMATELY)

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Figure 2: Groundwater Results

400 Block Property
413-441 Main Street and 336-372 Mill Street
City of Poughkeepsie, Dutchess County, New York

Legend:
- subject property border
- monitoring well location
- O SSDS vent pipe in roof
- chain link fence

File: CP9920
May 2021
Scale as shown
Appendix A

APPENDIX B

Photographs

1. **Cover system along north side of buildings**

2. **Cover system along east side of buildings**

3. Cover system along south side of buildings

4. Cover system along west side of buildings

5. Cover system at northernmost portion of property

6. One of three discharge points on roof

7. MW-2R-2 at southern-central portion of paved parking area

8. MW-3 at southeastern side of paved parking area (note: top portion of PVC well-casing is cracked)

APPENDIX C

Letter Report of Soil Vapor and Indoor Air Sampling

GALLAGHER BASSETT | TECHNICAL SERVICES

March 10, 2021

Benjamin Rung
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, New York 12233 via e-mail: benjamin.rung@dec.ny.gov

Re: Soil Vapor and Indoor Air Quality Sampling for the
400 Block Restoration Area (NYSDEC Site ID: B00148)
413-441 Main Street and 366, 370 and 372 Mill Street
City of Poughkeepsie, New York
GBTS Project: CP9920.53

This letter report documents soil vapor and indoor air sampling at the 400 Block Restoration Area ("Site") performed by Gallagher Bassett Technical Services (GBTS).

INTRODUCTION

The Site is an approximately 1.5-acre residential and commercial property (City of Poughkeepsie tax lot: Section 6162, Block 78, Lot 213044) located on the northern side of Main Street and the southern side of Mill Street. The lot contains three, 3-story structures (Buildings A to C) that occupy the entirety of the property's southern frontage along Main Street. All structures contain ground floor residential and retail commercial uses.

Remediation of the Site, documented in the Final Engineering Report of Remedial Services (2006), included removal of petroleum contaminated soil, and the installation of an active (fan driven) sub-slab depressurization system (SSDS) to prevent vapor intrusion into the on-site structures. Testing of sub-slab vapor in 2005 documented the presence of tetrachloroethylene (PCE), benzene, toluene and styrene at low levels (data were not consistent with a significant source area beneath the structures), but which nonetheless indicated a potential concern for soil vapor intrusion.

An inspection of the SSDS by GBTS in July 2019 showed that all three roof-mounted system fans were fully functional; sub-slab vacuum measurements, however, were shown to be insufficient (a minimum of 0.004 inches of water column [w.c.] is required). A Work Plan was submitted to NYSDEC, and soil vapor and indoor air testing was subsequently conducted on January 27, 2021. The purpose of the fieldwork was to document current environmental conditions and evaluate the potential for converting the SSDS to a passive system, in lieu of repairing the active system components.

22 IBM Road, Suite 101
Poughkeepsie, NY 12601
O: 845-452-1658
www.gallagherbassett.com

FIELDWORK METHODOLOGY

General Protocols

All fieldwork performed by GBTS was conducted in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and a properly calibrated MiniRAE Lite (Model PGM 7300) photo-ionization detector was used to screen for volatile organic compounds (VOCs). Samples were transported on January 29, 2021 via courier to Alpha Analytical, Inc., a NYSDOH-certified laboratory (ELAP Certification 11627) for analyses. Appropriate chain-of-custody procedures were followed. A map indicating fieldwork locations and Site features is provided in Attachment A.

Pre-sampling building inspection

A pre-sampling building inspection was conducted by GBTS personnel on January 27, 2021. This inspection consisted of a visual assessment of the fieldwork areas in order to note physical conditions relevant to the sampling and to identify any on-site activities and/or materials that may interfere with the sampling. Observed materials in Site structures that were considered potential sources of VOC contamination included: maintenance workshop area (Building C) with numerous containers of paints, common household cleaning and maintenance products, and several containers of petroleum products, including gasoline (stored in a flammables cabinet); common household cleaning products in janitorial closets and the storefronts in all structures; and, numerous small containers containing acetone, ethanol (sanitizers), and aerosolized sprays (nail salon in Building B and barbershop in Building C).

Collection of Soil Vapor

Soil vapor samples were collected from six previously installed permanent monitoring points[1] (SV-01, SV-03, SV-04, SV-06, SV-07, and SV-09 and three temporary points (SV-02, SV-05, and SV-08) installed by GBTS during the fieldwork event. The temporary sampling points were constructed by drilling ½-inch diameter holes through basement floors to depths of approximately 6 inches below the concrete slabs. An air-stone attached to ¼" Teflon tubing was inserted to the invert of the boring and the hole was backfilled with clean #2 silica sand. The top of each hole was sealed using hydrated bentonite clay in order to prevent the infiltration of surface air. Each sampling point was purged prior to sampling for at least five minutes, using a GilAir 3 air-sampling pump, at a rate not exceeding 0.2 liters/minute.

A tracer gas was used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. The space around the sampling point was enclosed and sealed (with a metal hemisphere and bentonite clay) in order to introduce a tracer gas (helium) into the area surrounding the probe point. A helium detector (Radiodetection Multi-vapor Leak Locator, model MDG 2002) was utilized to determine when the interior atmosphere reached a helium concentration of 80%. A vacuum pump was then utilized to purge the standing air from the tubing and open interval of the bore hole and the absence of helium was confirmed.

1 Installed by OBAR Systems, Inc. on March 13, 2020

Soil vapor samples were collected into 6-liter Summa canisters equipped with twenty-four hour flow controllers. No significant PID readings or other evidence of contamination was noted at any locations during soil vapor sampling

Collection of Air Samples

Air samples were collected into 6-liter Summa Canisters equipped with twenty-four-hour flow controllers. Indoor air samples (IA-01 to IA-09) were co-located with soil vapor samples and an upwind ambient outdoor air sample (OA-01) was collected in the Site parking lot from just north of the buildings. All sampling canisters were placed at approximately three to four feet above the ground.

LABORATORY ANALYSIS

Soil Vapor Guidelines

The State of New York does not have any standards, criteria or guidance values for volatile chemicals in subsurface vapors (either soil vapor or sub-slab vapor). In the absence of SCG, soil vapor results were reviewed as a whole, including comparison to data from previous investigations.

Air Guideline Values

The NYSDOH has developed several air guideline values (AGVs) for concentrations of a limited number of chemicals in indoor air. Relevant AGVs have been established for PCE, trichloroethylene (TCE), and methylene chloride. The objective of comparing indoor data to AGVs is to provide guidance on decisions relevant to preventing the risk of exposure to these compounds. Data generated during fieldwork were also compared to the results of the USEPA 2001: Building Assessment and Survey Evaluation (BASE) database, where appropriate, as a benchmark to evaluate Site conditions.

NYSDOH Decision Matrices

Vapor and air data were compared to the applicable NYSDOH generic decision matrices for evaluating potential soil vapor intrusion into buildings (see NYSDOH “Guidance for Evaluation of Soil Vapor Intrusion in the State of New York”; October 2006). Matrices compare concentrations of a limited number of VOCs for co-located sub-slab vapor and indoor air samples, and summarize actions recommended to address current and potential exposures related to soil vapor intrusion (ranging from no further action to mitigation).

Laboratory Results

A summary of the results of the laboratory analyses is presented below. Results are referenced as micrograms per cubic meter ($\mu g/m^3$). All samples were submitted for laboratory analysis of VOCs using USEPA Method TO-15 SIM. Table 1 indicates laboratory results for all VOCs in soil vapor. Table 2 shows all VOCs in indoor and outdoor air. Data summary tables and the laboratory report are provided as Attachments B and C, respectively.

All vapor samples contained trace- to low-level contamination by multiple VOCs, at levels typically seen in urban settings, but which are not indicative of any significant subsurface source areas beneath the structures

Air sample data show similar results; indoor air concentrations are not considered to be significantly elevated, and are likely to be attributable to building materials (structural components and stored interior materials). Several contaminants reported in outdoor air (carbon tetrachloride, 1,2-DCA, chloromethane, and several chlorofluorocarbons) appear to have also impacted indoor air.

Data for PCE, trichloroethene (TCE) and carbon tetrachloride in vapor and air were evaluated using the applicable NYSDOH matrices (see Table 3; comparisons made using peak levels), which indicated a recommendation of "no further action" (no other listed matrix compounds were found in vapor or air).

Current sub-slab vapor results also show a significant reduction from contamination reported in 2005, including a decrease in peak PCE from 89.7 µg/m^3 to 6.02 µg/m^3, and similar reductions in benzene, toluene and styrene, which support the conclusion that there is no current threat of significant soil vapor intrusion at the Site.

CONCLUSIONS

The active SSDS at the Site was installed to protect against potential soil vapor intrusion following environmental remediation in 2006. Current sub-slab vapor and indoor air data document an absence of any indoor air contamination likely to be the result of soil vapor intrusion, and support the conclusion that no significant vapor source areas are present beneath the on-site structures. Documented indoor air quality is typical of commercial buildings in developed urban settings, and reported contaminants are likely to be associated with both interior conditions as well as somewhat poor-quality ambient city air.

Given that soil vapor intrusion is unlikely to be occurring at the Site, and that there are no apparent likely future threats, it is recommended that the on-site SSDS be converted to a passive system.

Please call Megan King at (845) 867-4719 should you have any questions or comments. We appreciate the opportunity to provide this service to you and look forward to working with you in the future.

Sincerely,

Megan King
Environmental Field Technician
Gallagher Bassett Technical Services

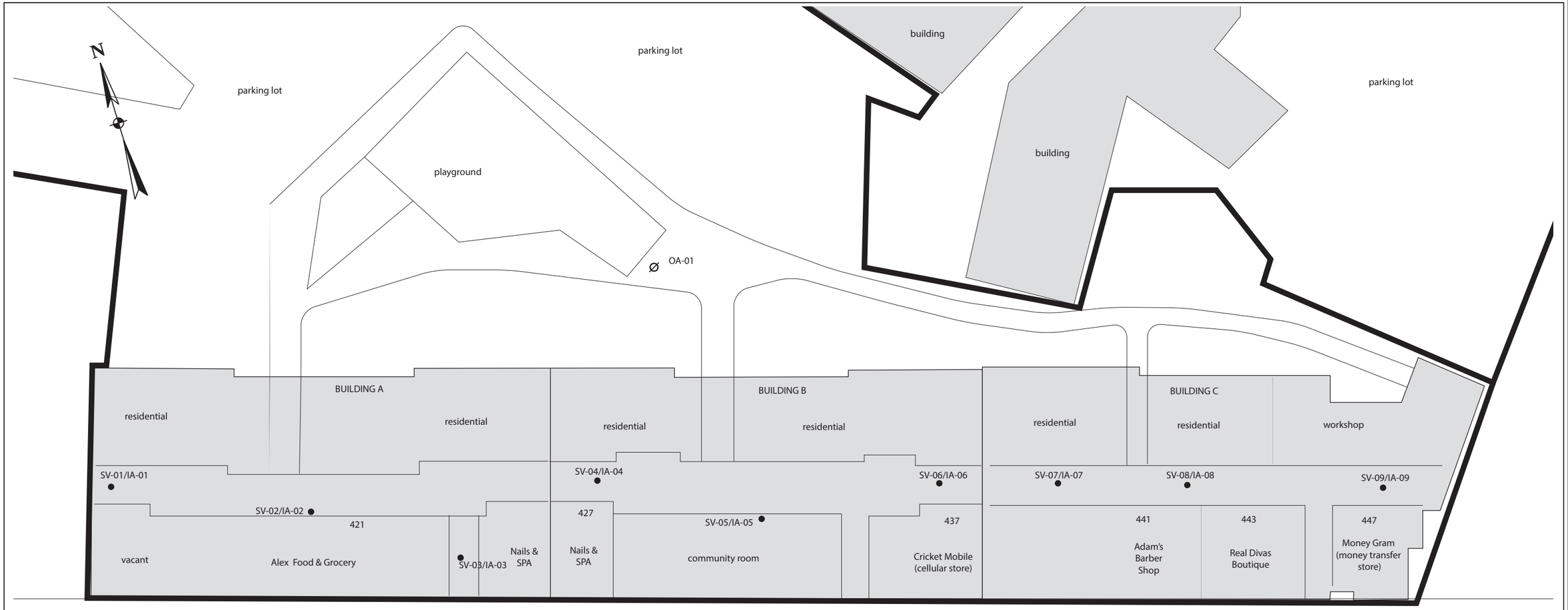
Scott Spitzer
Technical Director – Environmental Consulting
Gallagher Bassett Technical Services

Attachments:
A - Fieldwork Map
B - Data Tables
C - Laboratory Report
D - NYSDOH Indoor Air Quality Questionnaire
E - Photographs

ATTACHMENT A

Fieldwork Map

GALLAGHER BASSETT | TECHNICAL SERVICES



Legend:

- subject property border
- ● soil vapor and indoor air sampling location
- Ø outdoor air sampling location

All feature locations are approximate. This map is intended as a schematic to be used in conjunction with the associated report, and it should not be relied upon as a survey for planning or other activities.

Fieldwork Map

400 Block Property
413-441 Main Street and 336-372 Mill Street
City of Poughkeepsie, Dutchess County, New York

File: CP9920.53

Not to Scale

March 2021 | Attachment

ATTACHMENT B

Data Tables

Table 1: VOCs in Soil Vapor

GBTS File: CP9920.53

GALLAGHER BASSETT | TECHNICAL SERVICES

Sample ID	SV-01		SV-02		SV-03		SV-04		SV-05	
All data in µg/m³ Sample Date	(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)	
U= Not Detected ≥ value Dilution Factor	1		1		1		1		1	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
1,1,2-Trichloroethane	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	0.855		0.629		0.973		0.403		0.85	
1,2-Dibromoethane	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
1,2-Dichlorobenzene	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	0.081	U	0.081	U	0.081	U	0.081	U	0.113	
1,2-Dichloropropane	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	0.221		0.177		0.31		0.098		0.202	
1,3-Butadiene	0.044	U	0.044	U	0.044	U	0.044	U	0.08	
1,3-Dichlorobenzene	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,4-Dichlorobenzene	0.12	U	0.12	U	0.138		0.12	U	0.12	U
1,4-Dioxane	0.36	U	0.36	U	0.472		0.36	U	0.36	U
2,2,4-Trimethylpentane	0.934	U	0.934	U	0.934	U	0.934	U	0.934	U
2-Butanone	1.83		2.07		3.95		2.08		3.78	
2-Hexanone	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
3-Chloropropene	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	0.152		0.167		0.192		0.098	U	0.167	
4-Methyl-2-pentanone	16		2.05	U	23.4		8.57		2.05	U
Acetone	28.3		4.04		280		32.1		105	
Benzene	0.658		0.319	U	2.28		0.495		1.12	
Benzyl chloride	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
Bromoform	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U
Bromomethane	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
Carbon disulfide	0.713		0.623	U	11.9		0.797		0.623	U
Carbon tetrachloride	0.465		0.805		0.459		0.459		0.503	
Chlorobenzene	0.461	U	0.461	U	0.461	U	0.461	U	0.461	U
Chloroethane	0.264	U	0.264	U	0.319		0.264	U	0.264	U
Chloroform	0.483		1.27		1.26		0.835		0.117	
Chloromethane	0.413	U	0.413	U	1.63		0.473		0.413	U
cis-1,2-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Cyclohexane	0.688	U	0.688	U	1.09		0.688	U	0.688	U
Dibromochloromethane	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	2.32		2.31		2.27		2.53		2.3	
Ethanol	86.1		9.42	U	228		28.6		213	
Ethyl Acetate	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Ethylbenzene	0.352		0.343		0.521		0.261		0.526	
Freon-113	0.537		0.544		0.491		0.583		0.69	
Freon-114	0.349	U	0.349	U	0.349	U	0.349	U	0.349	U
Heptane	0.82	U	0.82	U	2.59		0.82	U	1.07	
Hexachlorobutadiene	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U
Isopropanol	13.9		3.98		41.8		6.05		253	
Methyl tert butyl ether	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
n-Hexane	0.705	U	0.705	U	1.04		0.705	U	0.705	U
o-Xylene	0.543		0.508		0.725		0.378		0.673	
p/m-Xylene	1.34		1.28		2.08		0.869		1.7	
Styrene	0.128		0.119		0.132		0.089		0.162	
Tertiary butyl Alcohol	1.52	U	1.52	U	1.97		1.52	U	1.52	U
Tetrachloroethene	0.319		2.32		0.393		2.58		0.637	
Tetrahydrofuran	1.47	U	1.47	U	1.47	U	1.47	U	1.62	
Toluene	1.48		1.36		3.17		1.11		2.36	
trans-1,2-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Trichloroethene	0.22		0.597		0.107	U	2.6		0.107	U
Trichlorofluoromethane	1.4		1.79		1.28		1.51		1.49	
Vinyl bromide	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U

Detected concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 1: VOCs in Soil Vapor

GBTS File: CP9920.53

GALLAGHER BASSETT | TECHNICAL SERVICES

Sample ID	SV-06		SV-07		SV-08		SV-09	
All data in µg/m³ Sample Date	(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)	
U= Not Detected ≥ value Dilution Factor	1		1		1		1	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.109	U	0.546	U	0.273	U	0.109	U
1,1,2,2-Tetrachloroethane	0.137	U	0.687	U	0.343	U	0.137	U
1,1,2-Trichloroethane	0.109	U	0.546	U	0.273	U	0.109	U
1,1-Dichloroethane	0.081	U	0.405	U	0.202	U	0.081	U
1,1-Dichloroethene	0.079	U	0.396	U	0.198	U	0.079	U
1,2,4-Trichlorobenzene	0.371	U	1.86	U	0.928	U	0.371	U
1,2,4-Trimethylbenzene	0.659		0.492	U	0.688		0.393	
1,2-Dibromoethane	0.154	U	0.769	U	0.384	U	0.154	U
1,2-Dichlorobenzene	0.12	U	0.601	U	0.301	U	0.12	U
1,2-Dichloroethane	0.081	U	0.405	U	0.202	U	0.081	U
1,2-Dichloropropane	0.092	U	0.462	U	0.231	U	0.092	U
1,3,5-Trimethylbenzene	0.182		0.492	U	0.246	U	0.118	
1,3-Butadiene	0.044	U	0.221	U	0.111	U	0.044	
1,3-Dichlorobenzene	0.12	U	0.601	U	0.301	U	0.12	U
1,4-Dichlorobenzene	0.12	U	0.601	U	0.301	U	0.12	U
1,4-Dioxane	0.36	U	1.8	U	0.901	U	0.36	U
2,2,4-Trimethylpentane	0.934	U	4.67	U	2.34	U	6.54	
2-Butanone	2.6		7.37	U	6.55		3.39	
2-Hexanone	0.82	U	4.1	U	2.05	U	0.82	U
3-Chloropropene	0.626	U	3.13	U	1.57	U	0.626	U
4-Ethyltoluene	0.128		0.492	U	0.246	U	0.098	U
4-Methyl-2-pentanone	8.93		10.2	U	6.31		10.8	
Acetone	70.1		390		898		34	
Benzene	0.355		1.92		3.26		4.41	
Benzyl chloride	1.04	U	5.18	U	2.59	U	1.04	U
Bromodichloromethane	0.134	U	0.67	U	0.335	U	0.134	U
Bromoform	0.207	U	1.03	U	0.517	U	0.207	U
Bromomethane	0.078	U	0.388	U	0.194	U	0.078	U
Carbon disulfide	0.623	U	3.11	U	1.56	U	0.623	U
Carbon tetrachloride	0.478		0.66		0.598		0.554	
Chlorobenzene	0.461	U	2.3	U	1.15	U	0.461	U
Chloroethane	0.264	U	1.32	U	0.66	U	0.264	U
Chloroform	0.625		0.879		1.12		0.405	
Chloromethane	0.413	U	2.07	U	1.03	U	0.904	
cis-1,2-Dichloroethene	0.079	U	0.396	U	0.198	U	0.079	U
cis-1,3-Dichloropropene	0.091	U	0.454	U	0.227	U	0.091	U
Cyclohexane	0.688	U	3.44	U	1.72	U	5.89	
Dibromochloromethane	0.17	U	0.852	U	0.426	U	0.17	U
Dichlorodifluoromethane	2.31		4.94	U	2.47	U	2.37	
Ethanol	188		1,690		692		79.7	
Ethyl Acetate	1.8	U	9.01	U	4.5	U	1.8	U
Ethylbenzene	0.321		0.434	U	0.53		0.556	
Freon-113	0.59		1.92	U	0.958	U	0.567	
Freon-114	0.349	U	1.75	U	0.874	U	0.349	U
Heptane	0.82	U	4.1	U	2.05	U	5.66	
Hexachlorobutadiene	0.533	U	2.67	U	1.33	U	0.533	U
Isopropanol	20.6		885		103		11.7	
Methyl tert butyl ether	0.721	U	3.61	U	1.8	U	0.721	U
Methylene chloride	1.74	U	8.69	U	4.34	U	1.74	U
n-Hexane	0.705	U	3.52	U	1.76	U	16	
o-Xylene	0.534		0.456		0.599		0.621	
p/m-Xylene	1.24		1.15		1.51		1.53	
Styrene	0.115		0.426	U	0.213	U	0.098	
Tertiary butyl Alcohol	1.52	U	7.58	U	9.88		1.52	U
Tetrachloroethene	0.705		1.19		2.02		6.02	
Tetrahydrofuran	1.47	U	7.37	U	3.69	U	5.13	
Toluene	1.36		2.2		2.83		10.5	
trans-1,2-Dichloroethene	0.079	U	0.396	U	0.198	U	0.079	U
trans-1,3-Dichloropropene	0.091	U	0.454	U	0.227	U	0.091	U
Trichloroethene	0.183		0.537	U	0.269	U	0.107	U
Trichlorofluoromethane	1.46		1.4	U	1.26		1.39	
Vinyl bromide	0.874	U	4.37	U	2.19	U	0.874	U
Vinyl chloride	0.051	U	0.256	U	0.128	U	0.051	U

Detected concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 2: VOCs in Indoor and Outdoor Air

GBTS File: CP9920.53

GALLAGHER BASSETT | TECHNICAL SERVICES

Sample ID	IA-01		IA-02		IA-03		IA-04		IA-05	
All data in µg/m³ Sample Date	(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)	
U= Not Detected ≥ value Dilution Factor	1		1		1		1		1	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.109	*U*	0.109	*U*	0.109	*U*	0.109	*U*	0.109	*U*
1,1,2,2-Tetrachloroethane	0.137	*U*	0.137	*U*	0.137	*U*	0.137	*U*	0.137	*U*
1,1,2-Trichloroethane	0.109	*U*	0.109	*U*	0.109	*U*	0.109	*U*	0.109	*U*
1,1-Dichloroethane	0.081	*U*	0.081	*U*	0.081	*U*	0.081	*U*	0.081	*U*
1,1-Dichloroethene	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*
1,2,4-Trichlorobenzene	0.371	*U*	0.371	*U*	0.371	*U*	0.371	*U*	0.371	*U*
1,2,4-Trimethylbenzene	0.113		0.138		0.152		0.482		0.192	
1,2-Dibromoethane	0.154	*U*	0.154	*U*	0.154	*U*	0.154	*U*	0.154	*U*
1,2-Dichlorobenzene	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*
1,2-Dichloroethane	0.117		0.113		0.105		0.109		0.154	
1,2-Dichloropropane	0.092	*U*	0.092	*U*	0.092	*U*	0.092	*U*	0.092	*U*
1,3,5-Trimethylbenzene	0.098	*U*	0.098	*U*	0.098	*U*	0.123		0.098	*U*
1,3-Butadiene	0.159		0.199		0.254		0.047		0.066	
1,3-Dichlorobenzene	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*
1,4-Dichlorobenzene	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*	0.12	*U*
1,4-Dioxane	0.36	*U*	0.36	*U*	0.36	*U*	0.36	*U*	0.36	*U*
2,2,4-Trimethylpentane	0.934	*U*	0.934	*U*	0.934	*U*	0.934	*U*	0.934	*U*
2-Butanone	1.47	*U*	1.47	*U*	1.47	*U*	1.47	*U*	1.47	*U*
2-Hexanone	0.82	*U*	0.82	*U*	0.82	*U*	0.82	*U*	0.82	*U*
3-Chloropropene	0.626	*U*	0.626	*U*	0.626	*U*	0.626	*U*	0.626	*U*
4-Ethyltoluene	0.098	*U*	0.098	*U*	0.098	*U*	0.108		0.098	*U*
4-Methyl-2-pentanone	2.05	*U*	2.05	*U*	2.05	*U*	2.05	*U*	2.05	*U*
Acetone	107		151		183		59.6		14.9	
Benzene	0.482		0.537		0.578		0.409		0.559	
Benzyl chloride	1.04	*U*	1.04	*U*	1.04	*U*	1.04	*U*	1.04	*U*
Bromodichloromethane	0.134	*U*	0.134	*U*	0.134	*U*	0.134	*U*	0.134	*U*
Bromoform	0.207	*U*	0.207	*U*	0.207	*U*	0.207	*U*	0.207	*U*
Bromomethane	0.078	*U*	0.078	*U*	0.078	*U*	0.078	*U*	0.078	*U*
Carbon disulfide	0.623	*U*	0.623	*U*	0.623	*U*	0.623	*U*	0.623	*U*
Carbon tetrachloride	0.522		0.566		0.472		0.566		0.516	
Chlorobenzene	0.461	*U*	0.461	*U*	0.461	*U*	0.461	*U*	0.461	*U*
Chloroethane	0.264	*U*	0.264	*U*	0.264	*U*	0.264	*U*	0.264	*U*
Chloroform	0.523		0.518		0.513		0.566		0.215	
Chloromethane	1.18		1.18		1.2		1.05		1.01	
cis-1,2-Dichloroethene	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*
cis-1,3-Dichloropropene	0.091	*U*	0.091	*U*	0.091	*U*	0.091	*U*	0.091	*U*
Cyclohexane	0.688	*U*	0.688	*U*	0.688	*U*	0.688	*U*	0.688	*U*
Dibromochloromethane	0.17	*U*	0.17	*U*	0.17	*U*	0.17	*U*	0.17	*U*
Dichlorodifluoromethane	2.34		2.35		2.34		2.34		2.36	
Ethanol	207		202		184		2,410		746	
Ethyl Acetate	2.5		3.23		4		1.8	*U*	1.8	*U*
Ethylbenzene	0.126		0.13		0.156		0.165		0.165	
Freon-113	0.56		0.552		0.552		0.56		0.544	
Freon-114	0.349	*U*	0.349	*U*	0.349	*U*	0.349	*U*	0.349	*U*
Heptane	0.82	*U*	0.82	*U*	0.82	*U*	0.82	*U*	0.82	*U*
Hexachlorobutadiene	0.533	*U*	0.533	*U*	0.533	*U*	0.533	*U*	0.533	*U*
Isopropanol	70.8		94.4		91.9		28.5		5.38	
Methyl tert butyl ether	0.721	*U*	0.721	*U*	0.721	*U*	0.721	*U*	0.721	*U*
Methylene chloride	1.74	*U*	1.74	*U*	1.74	*U*	1.74	*U*	1.74	*U*
n-Hexane	0.705	*U*	0.705	*U*	0.705	*U*	0.705	*U*	0.705	*U*
o-Xylene	0.122		0.13		0.148		0.226		0.187	
p/m-Xylene	0.365		0.417		0.495		0.526		0.478	
Styrene	0.106		0.111		0.128		0.085	*U*	0.085	*U*
Tertiary butyl Alcohol	1.52	*U*	1.52	*U*	1.52	*U*	2.36		1.52	*U*
Tetrachloroethene	0.258		0.264		0.271		2.17		0.956	
Tetrahydrofuran	1.47	*U*	1.47	*U*	1.47	*U*	1.47	*U*	1.47	*U*
Toluene	0.69		0.757		0.859		0.799		0.795	
trans-1,2-Dichloroethene	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*	0.079	*U*
trans-1,3-Dichloropropene	0.091	*U*	0.091	*U*	0.091	*U*	0.091	*U*	0.091	*U*
Trichloroethene	0.107	*U*	0.107	*U*	0.107	*U*	0.107	*U*	0.107	*U*
Trichlorofluoromethane	1.32		1.28		1.33		1.35		1.35	
Vinyl bromide	0.874	*U*	0.874	*U*	0.874	*U*	0.874	*U*	0.874	*U*
Vinyl chloride	0.051	*U*	0.051	*U*	0.051	*U*	0.051	*U*	0.051	*U*

Detected concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 2: VOCs in Indoor and Outdoor Air

GBTS File: CP9920.53

GALLAGHER BASSETT | TECHNICAL SERVICES

Sample ID	IA-06		IA-07		IA-08		IA-09		OA-01	
All data in µg/m³ Sample Date	(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)		(2021-01-28)	
U= Not Detected ≥ value Dilution Factor	1		1		1		1		1	
VOCs, TO-15	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*	*Result*	*Qualifier*
1,1,1-Trichloroethane	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1,2,2-Tetrachloroethane	0.137	U	0.137	U	0.137	U	0.137	U	0.137	U
1,1,2-Trichloroethane	0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
1,1-Dichloroethane	0.081	U	0.081	U	0.081	U	0.081	U	0.081	U
1,1-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
1,2,4-Trichlorobenzene	0.371	U	0.371	U	0.371	U	0.371	U	0.371	U
1,2,4-Trimethylbenzene	0.762		2.2		2.74		2.42		0.098	U
1,2-Dibromoethane	0.154	U	0.154	U	0.154	U	0.154	U	0.154	U
1,2-Dichlorobenzene	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,2-Dichloroethane	0.113		0.081	U	0.081	U	0.081	U	0.093	
1,2-Dichloropropane	0.092	U	0.092	U	0.092	U	0.092	U	0.092	U
1,3,5-Trimethylbenzene	0.206		0.605		0.782		0.713		0.098	U
1,3-Butadiene	0.055		0.047		0.044		0.044	U	0.044	U
1,3-Dichlorobenzene	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1,4-Dichlorobenzene	0.12	U	0.186		0.12	U	0.12	U	0.12	U
1,4-Dioxane	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
2,2,4-Trimethylpentane	0.934	U	2.27		2.84		3.52		0.934	U
2-Butanone	1.47	U	1.53		1.76		1.9		1.47	U
2-Hexanone	0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
3-Chloropropene	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	0.138		0.438		0.58		0.521		0.098	U
4-Methyl-2-pentanone	2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
Acetone	75.8		49.6		31.4		14.9		2.38	U
Benzene	0.39		1.52		1.9		2.36		0.319	U
Benzyl chloride	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane	0.134	U	0.134	U	0.134	U	0.134	U	0.134	U
Bromoform	0.207	U	0.207	U	0.207	U	0.207	U	0.207	U
Bromomethane	0.078	U	0.078	U	0.078	U	0.078	U	0.078	U
Carbon disulfide	0.623	U	0.623	U	0.623	U	0.623	U	0.623	U
Carbon tetrachloride	0.503		0.56		0.484		0.541		0.535	
Chlorobenzene	0.461	U	0.461	U	0.461	U	0.461	U	0.461	U
Chloroethane	0.264	U	0.264	U	0.264	U	0.264	U	0.264	U
Chloroform	0.483		1.62		1		0.879		0.098	U
Chloromethane	1.05		1.11		1.08		1.08		0.95	
cis-1,2-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
cis-1,3-Dichloropropene	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Cyclohexane	0.688	U	1.96		2.39		3.02		0.688	U
Dibromochloromethane	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dichlorodifluoromethane	2.34		2.31		2.31		2.3		2.49	
Ethanol	2,450		569		226		254		9.42	U
Ethyl Acetate	1.8	U	2.3		2.67		2.93		1.8	U
Ethylbenzene	0.182		0.873		1.1		1.21		0.087	U
Freon-113	0.552		0.56		0.583		0.537		0.621	
Freon-114	0.349	U	0.349	U	0.349	U	0.349	U	0.349	U
Heptane	0.82	U	2.43		3.24		3.93		0.82	U
Hexachlorobutadiene	0.533	U	0.533	U	0.533	U	0.533	U	0.533	U
Isopropanol	26.8		487		18.6		8.9		1.23	U
Methyl tert butyl ether	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	1.74	U	1.74	U	1.74	U	1.74	U	1.74	U
n-Hexane	0.705	U	5.43		7.22		9.2		0.705	U
o-Xylene	0.23		1.28		1.6		1.75		0.087	U
p/m-Xylene	0.534		3.47		4.39		4.86		0.174	U
Styrene	0.085	U	0.115		0.106		0.166		0.085	U
Tertiary butyl Alcohol	2.16		1.52	U	1.52	U	1.52	U	1.52	U
Tetrachloroethene	2.96		4.14		3.92		3.76		0.136	U
Tetrahydrofuran	1.47	U	3.75		4.66		5.84		1.47	U
Toluene	0.837		5.65		7.05		8.37		0.215	
trans-1,2-Dichloroethene	0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
trans-1,3-Dichloropropene	0.091	U	0.091	U	0.091	U	0.091	U	0.091	U
Trichloroethene	0.107	U	0.296		0.107	U	0.107	U	0.107	U
Trichlorofluoromethane	1.33		1.34		1.31		1.3		1.34	
Vinyl bromide	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U

Detected concentrations

Notes: NA = not available

Result Qualifiers: J = approximate E = estimated B = detected in blank

Table 3: NYSDOH Matrix Decision Criteria (all data are peak values, reported in µg/m^3)

Analyte	Soil Vapor (Criteria)	Air (Criteria)	Recommendation
carbon tetrachloride	0.805 (< 6)	0.566 (0.2 to < 1)	No further action
trichloroethene	2.6 (< 6)	0.296 (0.2 to < 1)	No further action
tetrachloroethene	6.02 (< 100)	4.14 (3 to < 10)	No further action

22 IBM Road, Suite 101
Poughkeepsie, NY 12601
O: 845-452-1658
www.gallagherbassett.com

ATTACHMENT C

Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2104647
Client:	Gallagher Bassett Technical Services 22 IBM Road Suite 101 Poughkeepsie, NY 12603
ATTN:	Megan King
Phone:	(845) 867-4714
Project Name:	CP9920
Project Number:	CP9920
Report Date:	02/05/21

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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2104647-01	SV-01	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:10	01/29/21
L2104647-02	IA-01	AIR	POUGHKEEPSIE, NY	01/28/21 05:10	01/29/21
L2104647-03	SV-02	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:11	01/29/21
L2104647-04	IA-02	AIR	POUGHKEEPSIE, NY	01/28/21 05:11	01/29/21
L2104647-05	SV-03	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:13	01/29/21
L2104647-06	IA-03	AIR	POUGHKEEPSIE, NY	01/28/21 05:14	01/29/21
L2104647-07	SV-04	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:24	01/29/21
L2104647-08	IA-04	AIR	POUGHKEEPSIE, NY	01/28/21 05:24	01/29/21
L2104647-09	SV-05	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:27	01/29/21
L2104647-10	IA-05	AIR	POUGHKEEPSIE, NY	01/28/21 05:27	01/29/21
L2104647-11	SV-06	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:29	01/29/21
L2104647-12	IA-06	AIR	POUGHKEEPSIE, NY	01/28/21 05:30	01/29/21
L2104647-13	SV-07	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:33	01/29/21
L2104647-14	IA-07	AIR	POUGHKEEPSIE, NY	01/28/21 05:34	01/29/21
L2104647-15	SV-08	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:36	01/29/21
L2104647-16	IA-08	AIR	POUGHKEEPSIE, NY	01/28/21 05:37	01/29/21
L2104647-17	SV-09	SOIL_VAPOR	POUGHKEEPSIE, NY	01/28/21 05:38	01/29/21
L2104647-18	IA-09	AIR	POUGHKEEPSIE, NY	01/28/21 05:39	01/29/21
L2104647-19	OA-01	AIR	POUGHKEEPSIE, NY	01/28/21 05:19	01/29/21

Project Name:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

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:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 27, 2021. The canister certification results are provided as an addendum.

L2104647-08,10,12,14: The sample was re-analyzed on dilution in order to quantify the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2104647-08,10,12,13,14,15: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 02/05/21

AIR

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-01
Client ID: SV-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 23:09
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.470	0.200	--	2.32	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	45.7	5.00	--	86.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.9	1.00	--	28.3	2.38	--		1
Trichlorofluoromethane	0.250	0.050	--	1.40	0.281	--		1
Isopropanol	5.67	0.500	--	13.9	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	0.229	0.200	--	0.713	0.623	--		1
Freon-113	0.070	0.050	--	0.537	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	0.622	0.500	--	1.83	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-01
Client ID: SV-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
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	0.099	0.020	--	0.483	0.098	--		1
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	0.206	0.100	--	0.658	0.319	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	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	0.041	0.020	--	0.220	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	3.90	0.500	--	16.0	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	0.392	0.050	--	1.48	0.188	--		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	0.047	0.020	--	0.319	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.081	0.020	--	0.352	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-01
Client ID: SV-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
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	0.308	0.040	--	1.34	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.030	0.020	--	0.128	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.125	0.020	--	0.543	0.087	--		1
4-Ethyltoluene	0.031	0.020	--	0.152	0.098	--		1
1,3,5-Trimethybenzene	0.045	0.020	--	0.221	0.098	--		1
1,2,4-Trimethylbenzene	0.174	0.020	--	0.855	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	93		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-02
Client ID: IA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 16:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	0.569	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.072	0.020	--	0.159	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	110	5.00	--	207	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	45.2	1.00	--	107	2.38	--		1
Trichlorofluoromethane	0.235	0.050	--	1.32	0.281	--		1
Isopropanol	28.8	0.500	--	70.8	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	0.073	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	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-02
Client ID: IA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
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	0.694	0.500	--	2.50	1.80	--		1
Chloroform	0.107	0.020	--	0.523	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.029	0.020	--	0.117	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.151	0.100	--	0.482	0.319	--		1
Carbon tetrachloride	0.083	0.020	--	0.522	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	0.183	0.050	--	0.690	0.188	--		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	0.038	0.020	--	0.258	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.029	0.020	--	0.126	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-02
Client ID: IA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:10
Date Received: 01/29/21
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	0.084	0.040	--	0.365	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.025	0.020	--	0.106	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.028	0.020	--	0.122	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	0.023	0.020	--	0.113	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	90		60-140
chlorobenzene-d5	87		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-03
Client ID: SV-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 23:48
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.467	0.200	--	2.31	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	1.70	1.00	--	4.04	2.38	--		1
Trichlorofluoromethane	0.319	0.050	--	1.79	0.281	--		1
Isopropanol	1.62	0.500	--	3.98	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	0.071	0.050	--	0.544	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	0.703	0.500	--	2.07	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-03
Client ID: SV-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
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	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	0.128	0.020	--	0.805	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	0.111	0.020	--	0.597	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	0.360	0.050	--	1.36	0.188	--		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	0.342	0.020	--	2.32	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.079	0.020	--	0.343	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-03
Client ID: SV-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
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	0.295	0.040	--	1.28	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.028	0.020	--	0.119	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.117	0.020	--	0.508	0.087	--		1
4-Ethyltoluene	0.034	0.020	--	0.167	0.098	--		1
1,3,5-Trimethybenzene	0.036	0.020	--	0.177	0.098	--		1
1,2,4-Trimethylbenzene	0.128	0.020	--	0.629	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	95		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-04
Client ID: IA-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 17:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.475	0.200	--	2.35	0.989	--		1
Chloromethane	0.573	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.090	0.020	--	0.199	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	107	5.00	--	202	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	63.5	1.00	--	151	2.38	--		1
Trichlorofluoromethane	0.227	0.050	--	1.28	0.281	--		1
Isopropanol	38.4	0.500	--	94.4	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	0.072	0.050	--	0.552	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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-04
Client ID: IA-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
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	0.895	0.500	--	3.23	1.80	--		1
Chloroform	0.106	0.020	--	0.518	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.028	0.020	--	0.113	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.168	0.100	--	0.537	0.319	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	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	0.201	0.050	--	0.757	0.188	--		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	0.039	0.020	--	0.264	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.030	0.020	--	0.130	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-04
Client ID: IA-02
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:11
Date Received: 01/29/21
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	0.096	0.040	--	0.417	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.026	0.020	--	0.111	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.030	0.020	--	0.130	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	0.028	0.020	--	0.138	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	92		60-140
chlorobenzene-d5	88		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-05
Client ID: SV-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:13
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 00:27
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.789	0.200	--	1.63	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	0.121	0.100	--	0.319	0.264	--		1
Ethanol	121	5.00	--	228	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	118	1.00	--	280	2.38	--		1
Trichlorofluoromethane	0.227	0.050	--	1.28	0.281	--		1
Isopropanol	17.0	0.500	--	41.8	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	0.650	0.500	--	1.97	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.82	0.200	--	11.9	0.623	--		1
Freon-113	0.064	0.050	--	0.491	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	1.34	0.500	--	3.95	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-05
Client ID: SV-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:13
Date Received: 01/29/21
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	0.257	0.020	--	1.26	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	0.295	0.200	--	1.04	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.715	0.100	--	2.28	0.319	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Cyclohexane	0.316	0.200	--	1.09	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	0.131	0.100	--	0.472	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.631	0.200	--	2.59	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	5.71	0.500	--	23.4	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	0.842	0.050	--	3.17	0.188	--		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	0.058	0.020	--	0.393	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.120	0.020	--	0.521	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-05
Client ID: SV-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:13
Date Received: 01/29/21
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	0.479	0.040	--	2.08	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.031	0.020	--	0.132	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.167	0.020	--	0.725	0.087	--		1
4-Ethyltoluene	0.039	0.020	--	0.192	0.098	--		1
1,3,5-Trimethybenzene	0.063	0.020	--	0.310	0.098	--		1
1,2,4-Trimethylbenzene	0.198	0.020	--	0.973	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.023	0.020	--	0.138	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	96		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-06
Client ID: IA-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:14
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 17:54
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.473	0.200	--	2.34	0.989	--		1
Chloromethane	0.579	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.115	0.020	--	0.254	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	97.6	5.00	--	184	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	77.1	1.00	--	183	2.38	--		1
Trichlorofluoromethane	0.236	0.050	--	1.33	0.281	--		1
Isopropanol	37.4	0.500	--	91.9	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	0.072	0.050	--	0.552	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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-06
Client ID: IA-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:14
Date Received: 01/29/21
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	1.11	0.500	--	4.00	1.80	--		1
Chloroform	0.105	0.020	--	0.513	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	0.181	0.100	--	0.578	0.319	--		1
Carbon tetrachloride	0.075	0.020	--	0.472	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	0.228	0.050	--	0.859	0.188	--		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	0.040	0.020	--	0.271	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.036	0.020	--	0.156	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-06
Client ID: IA-03
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:14
Date Received: 01/29/21
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	0.114	0.040	--	0.495	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.030	0.020	--	0.128	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.034	0.020	--	0.148	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	0.031	0.020	--	0.152	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	92		60-140
chlorobenzene-d5	90		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-07
Client ID: SV-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 01:06
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.511	0.200	--	2.53	0.989	--		1
Chloromethane	0.229	0.200	--	0.473	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	15.2	5.00	--	28.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.5	1.00	--	32.1	2.38	--		1
Trichlorofluoromethane	0.268	0.050	--	1.51	0.281	--		1
Isopropanol	2.46	0.500	--	6.05	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	0.256	0.200	--	0.797	0.623	--		1
Freon-113	0.076	0.050	--	0.583	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	0.705	0.500	--	2.08	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-07
Client ID: SV-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
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	0.171	0.020	--	0.835	0.098	--		1
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	0.155	0.100	--	0.495	0.319	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	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	0.483	0.020	--	2.60	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	2.09	0.500	--	8.57	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	0.295	0.050	--	1.11	0.188	--		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	0.381	0.020	--	2.58	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.060	0.020	--	0.261	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-07
Client ID: SV-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
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	0.200	0.040	--	0.869	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	0.087	0.020	--	0.378	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	0.020	0.020	--	0.098	0.098	--		1
1,2,4-Trimethylbenzene	0.082	0.020	--	0.403	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	95		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-08
Client ID: IA-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 18:33
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.474	0.200	--	2.34	0.989	--		1
Chloromethane	0.508	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.021	0.020	--	0.047	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	921	5.00	--	1740	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	25.1	1.00	--	59.6	2.38	--		1
Trichlorofluoromethane	0.241	0.050	--	1.35	0.281	--		1
Isopropanol	11.6	0.500	--	28.5	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	0.780	0.500	--	2.36	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	0.073	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	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-08
Client ID: IA-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
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	0.116	0.020	--	0.566	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.027	0.020	--	0.109	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.128	0.100	--	0.409	0.319	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	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	0.212	0.050	--	0.799	0.188	--		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	0.320	0.020	--	2.17	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.038	0.020	--	0.165	0.087	--		1

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-08
Client ID: IA-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
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	0.121	0.040	--	0.526	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	0.052	0.020	--	0.226	0.087	--		1
4-Ethyltoluene	0.022	0.020	--	0.108	0.098	--		1
1,3,5-Trimethybenzene	0.025	0.020	--	0.123	0.098	--		1
1,2,4-Trimethylbenzene	0.098	0.020	--	0.482	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	93		60-140
chlorobenzene-d5	88		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-08 D
Client ID: IA-04
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:24
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 04:56
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Ethanol	1280	50.0	--	2410	94.2	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	85		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-09
Client ID: SV-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 01:46
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.466	0.200	--	2.30	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	0.036	0.020	--	0.080	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	113	5.00	--	213	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	44.4	1.00	--	105	2.38	--		1
Trichlorofluoromethane	0.265	0.050	--	1.49	0.281	--		1
Isopropanol	103	0.500	--	253	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	0.090	0.050	--	0.690	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	1.28	0.500	--	3.78	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-09
Client ID: SV-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
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	0.024	0.020	--	0.117	0.098	--		1
Tetrahydrofuran	0.550	0.500	--	1.62	1.47	--		1
1,2-Dichloroethane	0.028	0.020	--	0.113	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.350	0.100	--	1.12	0.319	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	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	0.261	0.200	--	1.07	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	0.625	0.050	--	2.36	0.188	--		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	0.094	0.020	--	0.637	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.121	0.020	--	0.526	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-09
Client ID: SV-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
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	0.391	0.040	--	1.70	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.038	0.020	--	0.162	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.155	0.020	--	0.673	0.087	--		1
4-Ethyltoluene	0.034	0.020	--	0.167	0.098	--		1
1,3,5-Trimethybenzene	0.041	0.020	--	0.202	0.098	--		1
1,2,4-Trimethylbenzene	0.173	0.020	--	0.850	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	97		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	94		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-10
Client ID: IA-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 19:51
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.477	0.200	--	2.36	0.989	--		1
Chloromethane	0.490	0.200	--	1.01	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.030	0.020	--	0.066	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	317	5.00	--	597	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.29	1.00	--	14.9	2.38	--		1
Trichlorofluoromethane	0.241	0.050	--	1.35	0.281	--		1
Isopropanol	2.19	0.500	--	5.38	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	0.071	0.050	--	0.544	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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-10
Client ID: IA-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
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	0.044	0.020	--	0.215	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.038	0.020	--	0.154	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.175	0.100	--	0.559	0.319	--		1
Carbon tetrachloride	0.082	0.020	--	0.516	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	0.211	0.050	--	0.795	0.188	--		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	0.141	0.020	--	0.956	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.038	0.020	--	0.165	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-10
Client ID: IA-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
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	0.110	0.040	--	0.478	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	0.043	0.020	--	0.187	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	0.039	0.020	--	0.192	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	91		60-140
chlorobenzene-d5	86		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-10 D
Client ID: IA-05
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:27
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 06:10
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Ethanol	396	16.7	--	746	31.5	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	84		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	83		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-11
Client ID: SV-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:29
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 02:25
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.467	0.200	--	2.31	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	100	5.00	--	188	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.5	1.00	--	70.1	2.38	--		1
Trichlorofluoromethane	0.259	0.050	--	1.46	0.281	--		1
Isopropanol	8.40	0.500	--	20.6	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	0.077	0.050	--	0.590	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	0.883	0.500	--	2.60	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-11
Client ID: SV-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:29
Date Received: 01/29/21
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	0.128	0.020	--	0.625	0.098	--		1
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	0.111	0.100	--	0.355	0.319	--		1
Carbon tetrachloride	0.076	0.020	--	0.478	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	0.034	0.020	--	0.183	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	2.18	0.500	--	8.93	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	0.360	0.050	--	1.36	0.188	--		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	0.104	0.020	--	0.705	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.074	0.020	--	0.321	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-11
Client ID: SV-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:29
Date Received: 01/29/21
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	0.285	0.040	--	1.24	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.027	0.020	--	0.115	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.123	0.020	--	0.534	0.087	--		1
4-Ethyltoluene	0.026	0.020	--	0.128	0.098	--		1
1,3,5-Trimethybenzene	0.037	0.020	--	0.182	0.098	--		1
1,2,4-Trimethylbenzene	0.134	0.020	--	0.659	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	96		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	92		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-12
Client ID: IA-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:30
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 20:31
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.474	0.200	--	2.34	0.989	--		1
Chloromethane	0.510	0.200	--	1.05	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.025	0.020	--	0.055	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	971	5.00	--	1830	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	31.9	1.00	--	75.8	2.38	--		1
Trichlorofluoromethane	0.237	0.050	--	1.33	0.281	--		1
Isopropanol	10.9	0.500	--	26.8	1.23	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Tertiary butyl Alcohol	0.712	0.500	--	2.16	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	0.072	0.050	--	0.552	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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-12
Client ID: IA-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:30
Date Received: 01/29/21
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	0.099	0.020	--	0.483	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	0.028	0.020	--	0.113	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.122	0.100	--	0.390	0.319	--		1
Carbon tetrachloride	0.080	0.020	--	0.503	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	0.222	0.050	--	0.837	0.188	--		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	0.436	0.020	--	2.96	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.042	0.020	--	0.182	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-12
Client ID: IA-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:30
Date Received: 01/29/21
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	0.123	0.040	--	0.534	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	0.053	0.020	--	0.230	0.087	--		1
4-Ethyltoluene	0.028	0.020	--	0.138	0.098	--		1
1,3,5-Trimethybenzene	0.042	0.020	--	0.206	0.098	--		1
1,2,4-Trimethylbenzene	0.155	0.020	--	0.762	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	93		60-140
chlorobenzene-d5	88		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-12 D
Client ID: IA-06
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:30
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 06:47
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Ethanol	1300	50.0	--	2450	94.2	--		10

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	85		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	83		60-140

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-13 D
Client ID: SV-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:33
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 03:03
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
Freon-114	ND	0.250	--	ND	1.75	--		5
Vinyl chloride	ND	0.100	--	ND	0.256	--		5
1,3-Butadiene	ND	0.100	--	ND	0.221	--		5
Bromomethane	ND	0.100	--	ND	0.388	--		5
Chloroethane	ND	0.500	--	ND	1.32	--		5
Ethanol	896	25.0	--	1690	47.1	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	164	5.00	--	390	11.9	--		5
Trichlorofluoromethane	ND	0.250	--	ND	1.40	--		5
Isopropanol	360	2.50	--	885	6.15	--		5
1,1-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Tertiary butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
Freon-113	ND	0.250	--	ND	1.92	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
1,1-Dichloroethane	ND	0.100	--	ND	0.405	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-13 D
Client ID: SV-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:33
Date Received: 01/29/21
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	2.50	--	ND	9.01	--		5
Chloroform	0.180	0.100	--	0.879	0.488	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.405	--		5
n-Hexane	ND	1.00	--	ND	3.52	--		5
1,1,1-Trichloroethane	ND	0.100	--	ND	0.546	--		5
Benzene	0.600	0.500	--	1.92	1.60	--		5
Carbon tetrachloride	0.105	0.100	--	0.660	0.629	--		5
Cyclohexane	ND	1.00	--	ND	3.44	--		5
1,2-Dichloropropane	ND	0.100	--	ND	0.462	--		5
Bromodichloromethane	ND	0.100	--	ND	0.670	--		5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		5
Trichloroethene	ND	0.100	--	ND	0.537	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	ND	1.00	--	ND	4.10	--		5
cis-1,3-Dichloropropene	ND	0.100	--	ND	0.454	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	0.100	--	ND	0.454	--		5
1,1,2-Trichloroethane	ND	0.100	--	ND	0.546	--		5
Toluene	0.585	0.250	--	2.20	0.942	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	0.100	--	ND	0.852	--		5
1,2-Dibromoethane	ND	0.100	--	ND	0.769	--		5
Tetrachloroethene	0.175	0.100	--	1.19	0.678	--		5
Chlorobenzene	ND	0.500	--	ND	2.30	--		5
Ethylbenzene	ND	0.100	--	ND	0.434	--		5

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-13 D
Client ID: SV-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:33
Date Received: 01/29/21
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	0.265	0.200	--	1.15	0.869	--		5
Bromoform	ND	0.100	--	ND	1.03	--		5
Styrene	ND	0.100	--	ND	0.426	--		5
1,1,2,2-Tetrachloroethane	ND	0.100	--	ND	0.687	--		5
o-Xylene	0.105	0.100	--	0.456	0.434	--		5
4-Ethyltoluene	ND	0.100	--	ND	0.492	--		5
1,3,5-Trimethybenzene	ND	0.100	--	ND	0.492	--		5
1,2,4-Trimethylbenzene	ND	0.100	--	ND	0.492	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,4-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,2-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,2,4-Trichlorobenzene	ND	0.250	--	ND	1.86	--		5
Hexachlorobutadiene	ND	0.250	--	ND	2.67	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	86		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-14
Client ID: IA-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:34
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 21:11
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.467	0.200	--	2.31	0.989	--		1
Chloromethane	0.538	0.200	--	1.11	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.021	0.020	--	0.047	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	299	5.00	--	563	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.9	1.00	--	49.6	2.38	--		1
Trichlorofluoromethane	0.238	0.050	--	1.34	0.281	--		1
Isopropanol	187	0.500	--	460	1.23	--	E	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	0.073	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	0.518	0.500	--	1.53	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-14
Client ID: IA-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:34
Date Received: 01/29/21
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	0.637	0.500	--	2.30	1.80	--		1
Chloroform	0.331	0.020	--	1.62	0.098	--		1
Tetrahydrofuran	1.27	0.500	--	3.75	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	1.54	0.200	--	5.43	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.475	0.100	--	1.52	0.319	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Cyclohexane	0.569	0.200	--	1.96	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	0.055	0.020	--	0.296	0.107	--		1
2,2,4-Trimethylpentane	0.485	0.200	--	2.27	0.934	--		1
Heptane	0.593	0.200	--	2.43	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	1.50	0.050	--	5.65	0.188	--		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	0.611	0.020	--	4.14	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.201	0.020	--	0.873	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-14
Client ID: IA-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:34
Date Received: 01/29/21
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	0.798	0.040	--	3.47	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.027	0.020	--	0.115	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.295	0.020	--	1.28	0.087	--		1
4-Ethyltoluene	0.089	0.020	--	0.438	0.098	--		1
1,3,5-Trimethybenzene	0.123	0.020	--	0.605	0.098	--		1
1,2,4-Trimethylbenzene	0.447	0.020	--	2.20	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	0.031	0.020	--	0.186	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	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-14 D
Client ID: IA-07
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:34
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 07:23
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Ethanol	302	16.7	--	569	31.5	--		3.333
Isopropanol	198	1.67	--	487	4.10	--		3.333

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	86		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-15 D
Client ID: SV-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:36
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 03:40
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.125	--	ND	0.874	--		2.5
Vinyl chloride	ND	0.050	--	ND	0.128	--		2.5
1,3-Butadiene	ND	0.050	--	ND	0.111	--		2.5
Bromomethane	ND	0.050	--	ND	0.194	--		2.5
Chloroethane	ND	0.250	--	ND	0.660	--		2.5
Ethanol	367	12.5	--	692	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	378	2.50	--	898	5.94	--		2.5
Trichlorofluoromethane	0.225	0.125	--	1.26	0.702	--		2.5
Isopropanol	42.1	1.25	--	103	3.07	--		2.5
1,1-Dichloroethene	ND	0.050	--	ND	0.198	--		2.5
Tertiary butyl Alcohol	3.26	1.25	--	9.88	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	ND	0.500	--	ND	1.56	--		2.5
Freon-113	ND	0.125	--	ND	0.958	--		2.5
trans-1,2-Dichloroethene	ND	0.050	--	ND	0.198	--		2.5
1,1-Dichloroethane	ND	0.050	--	ND	0.202	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	2.22	1.25	--	6.55	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.050	--	ND	0.198	--		2.5

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-15 D
Client ID: SV-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:36
Date Received: 01/29/21
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	1.25	--	ND	4.50	--		2.5
Chloroform	0.230	0.050	--	1.12	0.244	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.050	--	ND	0.202	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.050	--	ND	0.273	--		2.5
Benzene	1.02	0.250	--	3.26	0.799	--		2.5
Carbon tetrachloride	0.095	0.050	--	0.598	0.315	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.050	--	ND	0.231	--		2.5
Bromodichloromethane	ND	0.050	--	ND	0.335	--		2.5
1,4-Dioxane	ND	0.250	--	ND	0.901	--		2.5
Trichloroethene	ND	0.050	--	ND	0.269	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.050	--	ND	0.227	--		2.5
4-Methyl-2-pentanone	1.54	1.25	--	6.31	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.050	--	ND	0.227	--		2.5
1,1,2-Trichloroethane	ND	0.050	--	ND	0.273	--		2.5
Toluene	0.752	0.125	--	2.83	0.471	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.050	--	ND	0.426	--		2.5
1,2-Dibromoethane	ND	0.050	--	ND	0.384	--		2.5
Tetrachloroethene	0.298	0.050	--	2.02	0.339	--		2.5
Chlorobenzene	ND	0.250	--	ND	1.15	--		2.5
Ethylbenzene	0.122	0.050	--	0.530	0.217	--		2.5

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-15 D
Client ID: SV-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:36
Date Received: 01/29/21
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	0.348	0.100	--	1.51	0.434	--		2.5
Bromoform	ND	0.050	--	ND	0.517	--		2.5
Styrene	ND	0.050	--	ND	0.213	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.050	--	ND	0.343	--		2.5
o-Xylene	0.138	0.050	--	0.599	0.217	--		2.5
4-Ethyltoluene	ND	0.050	--	ND	0.246	--		2.5
1,3,5-Trimethybenzene	ND	0.050	--	ND	0.246	--		2.5
1,2,4-Trimethylbenzene	0.140	0.050	--	0.688	0.246	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.050	--	ND	0.301	--		2.5
1,4-Dichlorobenzene	ND	0.050	--	ND	0.301	--		2.5
1,2-Dichlorobenzene	ND	0.050	--	ND	0.301	--		2.5
1,2,4-Trichlorobenzene	ND	0.125	--	ND	0.928	--		2.5
Hexachlorobutadiene	ND	0.125	--	ND	1.33	--		2.5

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

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-16
Client ID: IA-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:37
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 21:50
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.468	0.200	--	2.31	0.989	--		1
Chloromethane	0.522	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.020	0.020	--	0.044	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	120	5.00	--	226	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	13.2	1.00	--	31.4	2.38	--		1
Trichlorofluoromethane	0.234	0.050	--	1.31	0.281	--		1
Isopropanol	7.58	0.500	--	18.6	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	0.076	0.050	--	0.583	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	0.597	0.500	--	1.76	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-16
Client ID: IA-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:37
Date Received: 01/29/21
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	0.740	0.500	--	2.67	1.80	--		1
Chloroform	0.205	0.020	--	1.00	0.098	--		1
Tetrahydrofuran	1.58	0.500	--	4.66	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	2.05	0.200	--	7.22	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.594	0.100	--	1.90	0.319	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Cyclohexane	0.694	0.200	--	2.39	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	0.608	0.200	--	2.84	0.934	--		1
Heptane	0.791	0.200	--	3.24	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	1.87	0.050	--	7.05	0.188	--		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	0.578	0.020	--	3.92	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.253	0.020	--	1.10	0.087	--		1

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-16
Client ID: IA-08
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:37
Date Received: 01/29/21
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	1.01	0.040	--	4.39	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.025	0.020	--	0.106	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.369	0.020	--	1.60	0.087	--		1
4-Ethyltoluene	0.118	0.020	--	0.580	0.098	--		1
1,3,5-Trimethybenzene	0.159	0.020	--	0.782	0.098	--		1
1,2,4-Trimethylbenzene	0.558	0.020	--	2.74	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	93		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-17
Client ID: SV-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:38
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 04:19
Analyst: TS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.480	0.200	--	2.37	0.989	--		1
Chloromethane	0.438	0.200	--	0.904	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	0.020	0.020	--	0.044	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Ethanol	42.3	5.00	--	79.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.3	1.00	--	34.0	2.38	--		1
Trichlorofluoromethane	0.247	0.050	--	1.39	0.281	--		1
Isopropanol	4.74	0.500	--	11.7	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	0.074	0.050	--	0.567	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	1.15	0.500	--	3.39	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-17
Client ID: SV-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:38
Date Received: 01/29/21
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	0.083	0.020	--	0.405	0.098	--		1
Tetrahydrofuran	1.74	0.500	--	5.13	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	4.54	0.200	--	16.0	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	1.38	0.100	--	4.41	0.319	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Cyclohexane	1.71	0.200	--	5.89	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	1.40	0.200	--	6.54	0.934	--		1
Heptane	1.38	0.200	--	5.66	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	2.64	0.500	--	10.8	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	2.79	0.050	--	10.5	0.188	--		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	0.888	0.020	--	6.02	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.128	0.020	--	0.556	0.087	--		1

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-17
Client ID: SV-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:38
Date Received: 01/29/21
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	0.352	0.040	--	1.53	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.023	0.020	--	0.098	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.143	0.020	--	0.621	0.087	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	0.024	0.020	--	0.118	0.098	--		1
1,2,4-Trimethylbenzene	0.080	0.020	--	0.393	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	94		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-18
Client ID: IA-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:39
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 22:29
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.465	0.200	--	2.30	0.989	--		1
Chloromethane	0.523	0.200	--	1.08	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	135	5.00	--	254	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.26	1.00	--	14.9	2.38	--		1
Trichlorofluoromethane	0.231	0.050	--	1.30	0.281	--		1
Isopropanol	3.62	0.500	--	8.90	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	0.070	0.050	--	0.537	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	0.644	0.500	--	1.90	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-18
Client ID: IA-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:39
Date Received: 01/29/21
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	0.812	0.500	--	2.93	1.80	--		1
Chloroform	0.180	0.020	--	0.879	0.098	--		1
Tetrahydrofuran	1.98	0.500	--	5.84	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	2.61	0.200	--	9.20	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.739	0.100	--	2.36	0.319	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Cyclohexane	0.877	0.200	--	3.02	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	0.753	0.200	--	3.52	0.934	--		1
Heptane	0.959	0.200	--	3.93	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	2.22	0.050	--	8.37	0.188	--		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	0.554	0.020	--	3.76	0.136	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	0.278	0.020	--	1.21	0.087	--		1

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-18
Client ID: IA-09
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:39
Date Received: 01/29/21
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	1.12	0.040	--	4.86	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	0.039	0.020	--	0.166	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.404	0.020	--	1.75	0.087	--		1
4-Ethyltoluene	0.106	0.020	--	0.521	0.098	--		1
1,3,5-Trimethybenzene	0.145	0.020	--	0.713	0.098	--		1
1,2,4-Trimethylbenzene	0.492	0.020	--	2.42	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		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	94		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	93		60-140

Project Name: CP9920 ***Lab Number:*** L2104647

Project Number: CP9920 ***Report Date:*** 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-19
Client ID: OA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:19
Date Received: 01/29/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/05/21 08:58
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.503	0.200	--	2.49	0.989	--		1
Chloromethane	0.460	0.200	--	0.950	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	0.238	0.050	--	1.34	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	0.081	0.050	--	0.621	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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-19
Client ID: OA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:19
Date Received: 01/29/21
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	0.023	0.020	--	0.093	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	0.085	0.020	--	0.535	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	0.057	0.050	--	0.215	0.188	--		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

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

SAMPLE RESULTS

Lab ID: L2104647-19
Client ID: OA-01
Sample Location: POUGHKEEPSIE, NY

Date Collected: 01/28/21 05:19
Date Received: 01/29/21
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	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
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	0.200	--	ND	1.04	--		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	85		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	83		60-140

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-19 Batch: WG1461756-4								
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: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-19 Batch: WG1461756-4								
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	0.050	--	ND	0.188	--		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: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/04/21 14:55

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-19 Batch: WG1461756-4								
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	0.200	--	ND	1.04	--		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: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 Batch: WG1461756-3								
Dichlorodifluoromethane	98		-		70-130	-		25
Chloromethane	79		-		70-130	-		25
Freon-114	81		-		70-130	-		25
Vinyl chloride	74		-		70-130	-		25
1,3-Butadiene	75		-		70-130	-		25
Bromomethane	74		-		70-130	-		25
Chloroethane	82		-		70-130	-		25
Ethanol	72		-		40-160	-		25
Vinyl bromide	92		-		70-130	-		25
Acetone	82		-		40-160	-		25
Trichlorofluoromethane	119		-		70-130	-		25
Isopropanol	89		-		40-160	-		25
1,1-Dichloroethene	99		-		70-130	-		25
Tertiary butyl Alcohol[1]	81		-		70-130	-		25
Methylene chloride	101		-		70-130	-		25
3-Chloropropene	115		-		70-130	-		25
Carbon disulfide	93		-		70-130	-		25
Freon-113	111		-		70-130	-		25
trans-1,2-Dichloroethene	94		-		70-130	-		25
1,1-Dichloroethane	106		-		70-130	-		25
Methyl tert butyl ether	97		-		70-130	-		25
2-Butanone	114		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 Batch: WG1461756-3								
Ethyl Acetate	90		-		70-130	-		25
Chloroform	99		-		70-130	-		25
Tetrahydrofuran	108		-		70-130	-		25
1,2-Dichloroethane	114		-		70-130	-		25
n-Hexane	89		-		70-130	-		25
1,1,1-Trichloroethane	112		-		70-130	-		25
Benzene	85		-		70-130	-		25
Carbon tetrachloride	119		-		70-130	-		25
Cyclohexane	88		-		70-130	-		25
1,2-Dichloropropane	105		-		70-130	-		25
Bromodichloromethane	101		-		70-130	-		25
1,4-Dioxane	102		-		70-130	-		25
Trichloroethene	98		-		70-130	-		25
2,2,4-Trimethylpentane	96		-		70-130	-		25
cis-1,3-Dichloropropene	94		-		70-130	-		25
4-Methyl-2-pentanone	118		-		70-130	-		25
trans-1,3-Dichloropropene	102		-		70-130	-		25
1,1,2-Trichloroethane	101		-		70-130	-		25
Toluene	84		-		70-130	-		25
2-Hexanone	115		-		70-130	-		25
Dibromochloromethane	115		-		70-130	-		25
1,2-Dibromoethane	106		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 Batch: WG1461756-3								
Chlorobenzene	101		-		70-130	-		25
Ethylbenzene	100		-		70-130	-		25
p/m-Xylene	105		-		70-130	-		25
Bromoform	118		-		70-130	-		25
Styrene	106		-		70-130	-		25
1,1,2,2-Tetrachloroethane	101		-		70-130	-		25
o-Xylene	106		-		70-130	-		25
4-Ethyltoluene	110		-		70-130	-		25
1,3,5-Trimethybenzene	111		-		70-130	-		25
1,2,4-Trimethylbenzene	114		-		70-130	-		25
Benzyl chloride	107		-		70-130	-		25
1,3-Dichlorobenzene	116		-		70-130	-		25
1,4-Dichlorobenzene	115		-		70-130	-		25
1,2-Dichlorobenzene	116		-		70-130	-		25
1,2,4-Trichlorobenzene	122		-		70-130	-		25
Hexachlorobutadiene	114		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1461756-5 QC Sample: L2104647-08 Client ID: IA-04						
Dichlorodifluoromethane	0.474	0.477	ppbV	1		25
Chloromethane	0.508	0.513	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.021	0.021	ppbV	0		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	921E	930E	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	25.1	25.1	ppbV	0		25
Trichlorofluoromethane	0.241	0.239	ppbV	1		25
Isopropanol	11.6	11.7	ppbV	1		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol[1]	0.780	0.688	ppbV	13		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	0.073	0.071	ppbV	3		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1461756-5 QC Sample: L2104647-08 Client ID: IA-04						
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	0.116	0.118	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	0.027	0.033	ppbV	20		25
n-Hexane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.128	0.127	ppbV	1		25
Carbon tetrachloride	0.090	0.089	ppbV	1		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1461756-5 QC Sample: L2104647-08 Client ID: IA-04						
Toluene	0.212	0.208	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	0.320	0.321	ppbV	0		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	0.038	0.040	ppbV	5		25
p/m-Xylene	0.121	0.122	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	0.052	0.052	ppbV	0		25
4-Ethyltoluene	0.022	0.022	ppbV	0		25
1,3,5-Trimethybenzene	0.025	0.025	ppbV	0		25
1,2,4-Trimethylbenzene	0.098	0.100	ppbV	2		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-19 QC Batch ID: WG1461756-5 QC Sample: L2104647-08 Client ID: IA-04						
Ethanol	1280	1330	ppbV	4		25

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

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
L2104647-01	SV-01	01368	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.1	3
L2104647-01	SV-01	2583	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-8.8	-	-	-	-
L2104647-02	IA-01	01729	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.4	13
L2104647-02	IA-01	3297	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-7.7	-	-	-	-
L2104647-03	SV-02	0205	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.3	10
L2104647-03	SV-02	2908	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.4	-6.6	-	-	-	-
L2104647-04	IA-02	01289	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.3	10
L2104647-04	IA-02	3335	6.0L Can	01/27/21	341578	L2102949-02	Pass	-29.4	-10.4	-	-	-	-
L2104647-05	SV-03	0632	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	2.9	3
L2104647-05	SV-03	2831	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.3	-7.3	-	-	-	-
L2104647-06	IA-03	02072	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	1.9	45
L2104647-06	IA-03	1780	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.5	-12.4	-	-	-	-
L2104647-07	SV-04	0560	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	2.8	7
L2104647-07	SV-04	2291	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.5	-9.0	-	-	-	-
L2104647-08	IA-04	01627	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	2.9	3

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

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
L2104647-08	IA-04	3258	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.4	-6.8	-	-	-	-
L2104647-09	SV-05	0716	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.0	0
L2104647-09	SV-05	2620	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.3	-8.0	-	-	-	-
L2104647-10	IA-05	0268	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	2.9	3
L2104647-10	IA-05	638	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-7.3	-	-	-	-
L2104647-11	SV-06	0096	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	2.9	3
L2104647-11	SV-06	958	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.4	-5.9	-	-	-	-
L2104647-12	IA-06	01435	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.1	3
L2104647-12	IA-06	1533	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-5.8	-	-	-	-
L2104647-13	SV-07	0935	Flow 2	01/27/21	341578		-	-	-	Pass	3.0	3.3	10
L2104647-13	SV-07	2911	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-8.5	-	-	-	-
L2104647-14	IA-07	01929	FLOW 5	01/27/21	341578		-	-	-	Pass	3.0	3.1	3
L2104647-14	IA-07	925	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-8.5	-	-	-	-
L2104647-15	SV-08	01003	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.0	0
L2104647-15	SV-08	1854	6.0L Can	01/27/21	341578	L2103498-03	Pass	-29.4	-8.0	-	-	-	-

Project Name: CP9920 **Lab Number:** L2104647

Project Number: CP9920 **Report Date:** 02/05/21

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
L2104647-16	IA-08	01226	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.1	3
L2104647-16	IA-08	3120	6.0L Can	01/27/21	341578	L2102738-03	Pass	-29.3	-6.2	-	-	-	-
L2104647-17	SV-09	01299	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.2	6
L2104647-17	SV-09	3341	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.5	-6.7	-	-	-	-
L2104647-18	IA-09	0370	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.1	3
L2104647-18	IA-09	2984	6.0L Can	01/27/21	341578	L2102949-02	Pass	-29.4	-7.8	-	-	-	-
L2104647-19	OA-01	01223	Flow 5	01/27/21	341578		-	-	-	Pass	3.0	3.4	13
L2104647-19	OA-01	2965	6.0L Can	01/27/21	341578	L2102949-03	Pass	-29.4	-1.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102738

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/21/21 00:43
Analyst: TS

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

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

Lab Number: L2102738
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102738

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
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: L2102738
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102738

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2102738
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/21/21 00:43
Analyst: TS

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

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

Lab Number: L2102738
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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:** L2102738

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102738-03
Client ID: CAN 1713 SHELF 39
Sample Location:

Date Collected: 01/18/21 16:00
Date Received: 01/19/21
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	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2102949
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/21/21 18:04
Analyst: EW

	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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2102949
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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: L2102949
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/21/21 18:04
Analyst: EW

	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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-02
Client ID: CAN 756 SHELF 30
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/21/21 18:44
Analyst: EW

	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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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: L2102949
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

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

Lab Number: L2102949
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/21/21 18:44
Analyst: EW

	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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		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:** L2102949

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2102949-03
Client ID: CAN 3149 SHELF 31
Sample Location:

Date Collected: 01/19/21 16:00
Date Received: 01/20/21
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	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	96		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2103498

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/25/21 19:25
Analyst: TS

	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:** L2103498

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2103498
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
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: L2103498
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2103498
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2103498

Project Number: CANISTER QC BAT **Report Date:** 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/25/21 19:25
Analyst: TS

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

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

Lab Number: L2103498
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
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	0.050	--	ND	0.188	--		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	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2103498
Report Date: 02/05/21

Air Canister Certification Results

Lab ID: L2103498-03
Client ID: CAN 3317 SHELF 46
Sample Location:

Date Collected: 01/21/21 16:00
Date Received: 01/22/21
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	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: CP9920
Project Number: CP9920

Lab Number: L2104647
Report Date: 02/05/21

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(*)
L2104647-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-08A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-09A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-10A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-11A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-12A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-13A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-14A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-15A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-16A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-17A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-18A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2104647-19A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

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:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

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.

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'.

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 at or above the RL for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. (Note: 'PFAS, Total (6)' is applicable to MassDEP DW compliance analysis only.). If a 'Total' result is requested, the results of its individual components will also be reported.

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.)

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.

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

Report Format: Data Usability Report

Project Name:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

Data Qualifiers

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.

Report Format: Data Usability Report

Project Name:	CP9920	**Lab Number:**	L2104647
Project Number:	CP9920	**Report Date:**	02/05/21

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 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; 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.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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.**

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.

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

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

AIR ANALYSIS

PAGE 1 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 1/30/21

ALPHA Job #: L2104647

Client Information

Client: GBTS
Address: 22 IBM Rd
Poughkeepsie NY
Phone: 845 867 4715
Fax:
Email: Megan_King@gbtpa.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CP9920
Project Location: Poughkeepsie NY
Project #: CP9920
Project Manager:
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH ☐ Subset Non-Petroleum HC's	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
04647-01	SV-01	1/28/21	533	510	30.24	10.20	SV	MK	6L	2583	01368	X					
-02	IA-01		533	510	30.13	8.78	AA			3297	01729	X					
-03	SV-02		534	511	30.16	~~8.60~~ 8.19	SV			2908	0205	X					"8.19" Final vacuum
-04	IA-02		534	511	30.22	11.60	AA			3335	01289	X					
-05	SV-03		535	513	30.09	8.99	SV			2831	0632	X					
-06	IA-03		536	514	30.10	14.11	AA			1780	02092	X					
-07	SV-04		537	524	30.17	10.57	SV			2291	05160	X					
-08	IA-04		538	524	30.50	8.42	AA			3258	01627	X					
-09	SV-05		539	527	30.31	9.37	SV			2620	07110	X					0.9 ppm
-10	IA-05		539	527	29.96	8.51	AA			638	02608	X					

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time
AAL	1/29/21 913		
AAL	1/29/21 1430		1/29/21 9-18
AAL	1/30/21 0515		1/29/21 2300
			1/30/21 0515

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.

AIR ANALYSIS

PAGE 2 OF 2

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 1/28/21

ALPHA Job #: L2104647

Client Information

Client: GBTS
Address: 22 IBM Rd Suite 101
Poughkeepsie NY 12603
Phone: 845 567 4715
Fax:
Email: Megan-King@gbtpa.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: IP9920
Project Location: Poughkeepsie NY
Project #: IP9920
Project Manager: Megan King
ALPHA Quote #:

Turn-Around Time

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

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
04647-11	SV-06	1/28/21	540	529	30.12	7.60	SV	MK	6L	958	0096	X						
-12	IA-06		540	530	30.17	7.77	AA			1533	01435	X						
-13	SV-07		546	533	30.03	9.73	SV			2911	0935	X						0.3 ppm
-14	IA-07		546	534	30.00	9.96	AA			425	01929	X						
-15	SV-08		547	536	30.27	9.74	SV			1854	01003	X						7.8 ppm
-16	IA-08		547	537	30.26	7.66	AA			3120	1226	X						
-17	SV-09		551	538	30.13	8.23	SV			3341	01299	X						
-18	IA-09		548	539	30.03	8.95	AA			2984	0370	X						
-19	OA-01		554	519	30.44	5.28	AA			2965	01223	X						

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	1/29/21 913	[signature] - AAL	1/29/21 948
[signature] - AAL	1/29/21 14:40	[signature]	1/29/21 2300
[signature]	1/30/21 0515	[signature]	1/30/21 0515

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.

ATTACHMENT D

NYSDOH Indoor Air Quality Questionnaire

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 Megan King Date/Time Prepared 1/27/2021

Preparer's Affiliation GBTS Phone No. 845 867 4719

Purpose of Investigation to determine if SSDS is still necessary

1. OCCUPANT: multi-family/apartment building

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

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

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

Interviewed: Y / N

Last Name: Robinson First Name: Martin

Address: 435 Main St, Poughkeepsie, NY

County: Dutchess

Home Phone: 678 544 5281 Office Phone: 845 486 8808

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

(Residential) Industrial School Church (Commercial/Multi-use) 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? 54

If the property is commercial, type?

Business Type(s) See Fieldwork map

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

Other characteristics:

Number of floors 3 Building age ~15 yrs

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

4. AIRFLOW

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

Airflow between floors

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

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

a. Above grade construction:	wood frame	concrete	stone	(brick)
b. Basement type:	full	crawlspace	slab	other none
c. Basement floor:	concrete	dirt	stone	other N/A
d. Basement floor:	uncovered	covered	covered with N/A	
e. Concrete floor:	unsealed	sealed	sealed with N/A	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	(sealed)	sealed with _____	
h. The basement is: N/A	wet	damp	dry	moldy
i. The basement is: N/A	finished	unfinished	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

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

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

(1/2 in.) (3 inches) (6 inches)
Soil vapor points, clean outs, 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: electric + natural gas

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

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

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

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

_____

_____

_____

_____

7. OCCUPANCY

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

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

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

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

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

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

d. Has the building ever had a fire? (Y) / N When? 4 yrs ago - contained in one apt.

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? 1st floor Bldg C

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

h. Have cleaning products been used recently? (Y) / N When & Type? Every AM - Pinesol

i. Have cosmetic products been used recently? (Y) / N When & Type? nail salon + barber shop

j. Has painting/staining been done in the last 6 months? (Y) / N Where & When? ~2 months ago" Foyers & vacant apts.

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

l. Have air fresheners been used recently? (Y) / N When & Type? Febreze "2-3 months ago"

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

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

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

p. Has there been a pesticide application? (Y) / N When & Type? 2 wks prior to sampling Applied monthly by professionals for residential

Are there odors in the building? Y / (N)
If yes, please describe: nail salon smells like acetone, nail polish, etc.

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

If yes, what types of solvents are used? _____

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

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

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

Is there a radon mitigation system for the building/structure? (Y) / N Date of Installation: _____
Is the system active or passive? (Active/Passive)
Turned off ~30 days prior to sampling on 12/25/2020

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) unknown

a. Provide reasons why relocation is recommended: _____

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

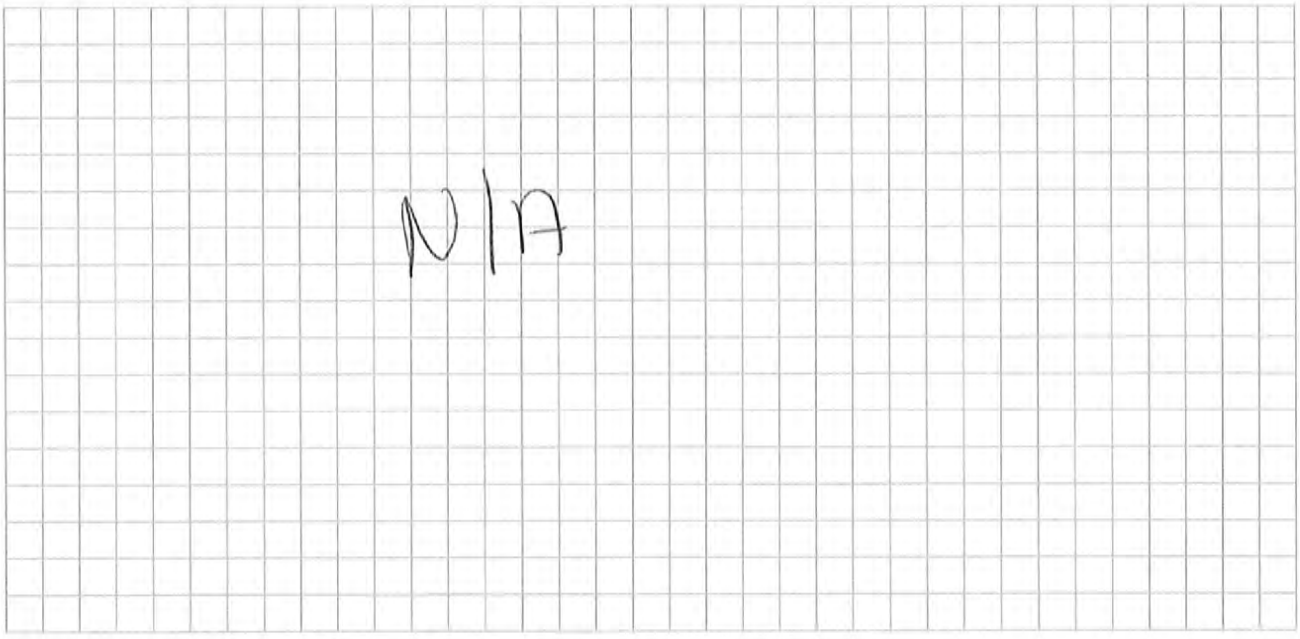
c. Responsibility for costs associated with reimbursement explained? Y / N

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

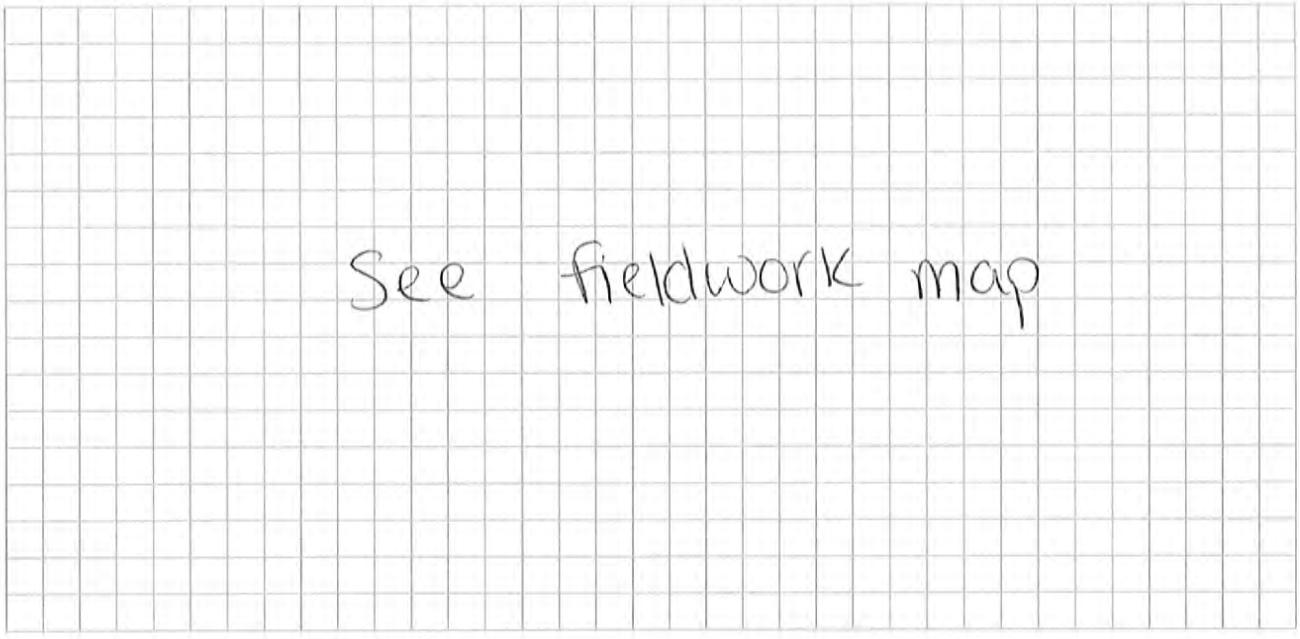
11. FLOOR PLANS

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.

see fieldwork map

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: MiniRAE Lite (Model PGM 7300) PID

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) PPM	Photo ** Y / N
residential hallways	janitorial closets				0.0 - 0.2	
	nail salon				11.3	
	barber shop				2.6 - 3.0	
	Cricket mobile				0.2 - 1.4	
	boutique				0.9 - 1.0	
1st floor Bldg C	workshop				0.2 - 0.3	
workshop	flammable cabinet				0.4	
nail salon	cleaning cabinet				7.5	
	money gram				0.0 - 0.3	
	residential hallways				0.0 - 0.1	
	outdoor air				0.0 - 0.4	
	grocery store				0.1 - 0.3	

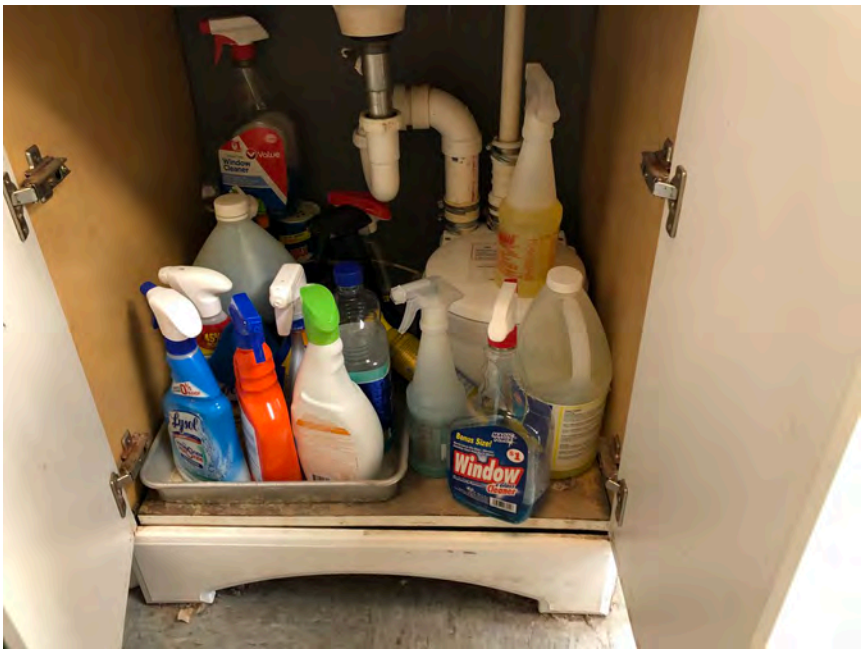
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must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

ATTACHMENT E

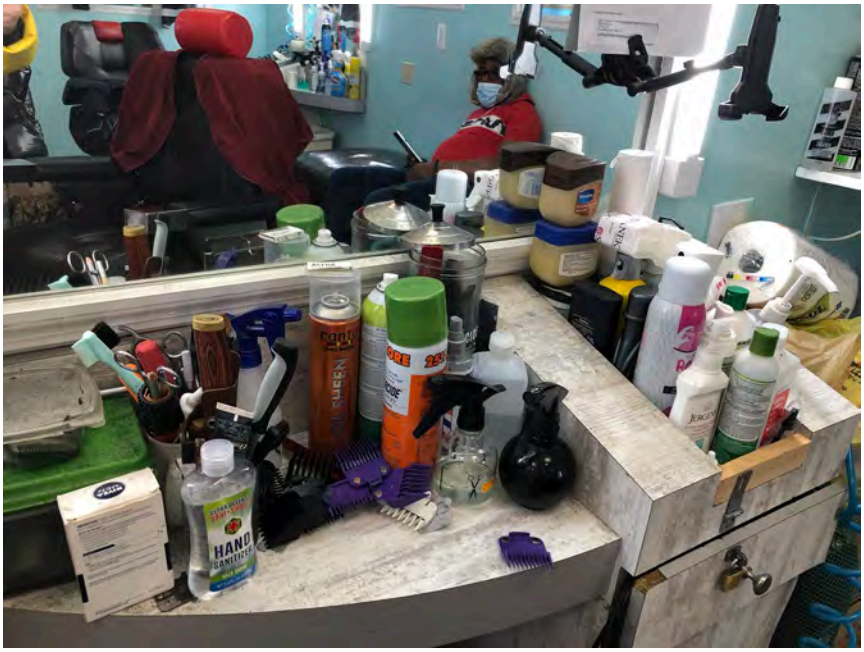
Photographs

1. **Common household cleaning products in janitorial closet, Building A**

2. **Typical view of work station, nail salon**



3. Contents of cleaning cabinet, nail salon



4. Typical view of work station in barbershop

5. Flammables cabinet located in workshop of Building C

6. Typical view of paint storage in workshop

APPENDIX D

Site-wide Inspection Forms

SITE-WIDE INSPECTION FORM

400 Block Restoration Area (NYSDEC Site ID: B00148)

413-441 Main Street and 366, 370 and 372 Mill Street, City of Poughkeepsie, Dutchess County, New York

Inspection Date: 1/27/2021
Weather: Sunny and 35

Inspection Item	Yes	No	NA	Comments (Include Corrective Actions Needed)
General Checklist				
Change of ownership or use (Restricted Residential)? Transfer of COC?		X		
Erection of structures?		X		
Any activity likely to disrupt or expose contamination?		X		
Any activity that will or may interfere with on-going or completed remedial program or the continued ability to implement engineering or institutional controls?		X		
Cover System Monitoring Checklist				
Where there any ground-intrusive activites conducted (installation/relocation of utilities, etc.)? If so, specify.		X		
Is there evidence that ground-intrusive activites were conducted? If so, specify.		X		
Are there signs of soil erosion in the landscpaed areas that could interfere with the cover system integrity? If so, specify.		X		
Are there any holes, cracks, vegetation, or physical deficiences in the asphalt and paved areas? If so, sketch area on reverse side.		X		
Areas of significant ponding on-site?		X		
Are there any holes, cracks, vegetation, or physical deficiences in the building floor slab? If so, identify the building and sketch area on reverse side.		X		
Groundwater Monitoring Well Network				
Are the monitoring wells (MW-2R-2, MW-3, MW-5R, and MW-6) usable and in good condition?		X		The top of the PVC well casing at MW-3 is cracked. The casing will be repaired.
SSDS Checklist (Complete a separate sheet for every SSDS on-site and include system identification.)				
Is there an SSDS in place for building erected on-site? (If SSDS are yet to be installed, indicate in the comments section and do not complete the remainder of this section)	X			The SSDS will be converted from active to passive
Are the units generating vacuum operating and maintaned?			X	See above
Is the discharge vent pipe functional and maintained? Are there any blockages in the vent pipe?	X			
Are there any holes, cracks or physical deficiences in the riser pipes?		X		
Has the SSDS effluent sample been collected, analyzed and submitted to NYSDEC? (on-time event, or othwerwise indicated by NYSDEC). Report to NYSDEC.		X		
Sub-slab vacuum at all monitoring points greater than 0.002 in. of w.c.? Include vacuum readings on comments section. Report to NYSDEC.			X	See above
Site Records				
Does the site operator have updated SMP and FER available on-site?		X		SMP will be provided once updated

Inspector Name: Megan King

Inspector Signature: Megan King

Date of Last Inspection: 1/27/2021

Next Inspection Date: April 2022

APPENDIX E

Engineering Controls Certification Form

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **B00148**

Site Name "400 Block" Restoration Area

Site Address: 413-441 Main St Zip Code: 12601
City/Town: Poughkeepsie
County: Dutchess
Site Acreage: 1.700

Reporting Period: July 01, 2018 to March 31, 2021

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Restricted-Residential, Commercial, and Industrial	☑	☐
7. Are all ICs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. B00148 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
31-6162-78-195048-00	City of Poughkeepsie	

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-199039-00 City of Poughkeepsie

Landuse Restriction

Soil Management Plan

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-205038-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must

annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-210039-00 City of Poughkeepsie

Landuse Restriction

Soil Management Plan

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-210051-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-213039-00 City of Poughkeepsie

Soil Management Plan
Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-216038-00 City of Poughkeepsie

Soil Management Plan
Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-218038-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-218056-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.
31-6162-78-220037-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-220054-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-222034-00 City of Poughkeepsie

Landuse Restriction

Soil Management Plan

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-224034-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-227035-00 City of Poughkeepsie

Landuse Restriction

Soil Management Plan

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-231034-00 City of Poughkeepsie

Soil Management Plan

Landuse Restriction

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

31-6162-78-234031-00 City of Poughkeepsie

Landuse Restriction

Soil Management Plan

The real property is subject to the terms and conditions of a State Assistance Contract (C301684) and a March 21, 2000 Record of Decision, and any amendments thereto. A Declaration of Restrictive Covenants was filed with the Dutchess County Clerk's Office on March 8, 2004. The real property may be used for restricted residential as long as the following engineering controls are monitored and maintained: (1) Any soil on the property must be covered by either a barrier layer such as concrete, asphalt or structures approved by NYSDEC; or a demarcation layer together with clean soil that is at a minimum two feet in depth and is monitored and maintained in accordance with the NYSDEC-approved Site Management Plan; (2) Any proposed soil excavation on the property below the barrier or demarcation layer requires prior notification and prior approval of NYSDEC. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and (3) Property owners must annually certify to NYSDEC that the remedy continues to be monitored and maintained.

These restrictions shall run with the land.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
31-6162-78-195048-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-199039-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-205038-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-210039-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-210051-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-213039-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-216038-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-218038-00	Vapor Mitigation Cover System

Parcel	Engineering Control
	Alternate Water Supply
31-6162-78-218056-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-220037-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-220054-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-222034-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-224034-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-227035-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-231034-00	Vapor Mitigation Cover System Alternate Water Supply
31-6162-78-234031-00	Vapor Mitigation Cover System Alternate Water Supply

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. B00148

Box 6

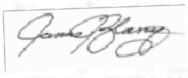
SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James Blaney (print name) at 1350 Broadway, New York, NY (print business address),

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

5/12/21
Date

EC CERTIFICATIONS

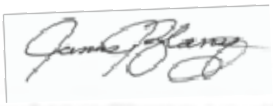
Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I James Blaney (print name) at 1350 Broadway, New York, NY (print business address),

am certifying as a Qualified Environmental Professional for the Remedial Party (Owner or Remedial Party)



Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification	Stamp (Required for PE)	Date
		5/12/21