GALLAGHER BASSETT | TECHNICAL SERVICES

June 16, 2023

Sadique Ahmed, P.E.
Project Manager
NYSDEC Division of Environmental Remediation
Remedial Bureau B, Section B
625 Broadway, 12th Floor
Albany, New York 12233 via e-mail: Sadique.ahmed@dec.ny.gov

Re: Letter Report of Post-Excavation Soil Vapor Endpoint Sampling Results
811-817 Lexington Avenue, Brooklyn, New York
NYSDEC BCP Site No. C224308 | GBTS Project: 21003-0111

Dear Mr. Ahmed:

This Letter Report summarizes the results of soil vapor sampling conducted on September 19, 2022 and May 16, 2023 by Gallagher Bassett Technical Services (GBTS) at the above referenced property (Site). A map indicating all fieldwork locations, laboratory results, and selected Site features is provided in Attachment A.

Background

Sub-slab vapor data generated during the Remedial Investigation documented elevated concentrations of several chlorinated volatile organic compounds (CVOCs) at the central- northern portion of the Site. A Pre-Design Investigation (PDI) Report considered that a comprehensive Engineering Control could be necessary to remediate the source of the vapors at this location; the PDIR, however, recommended that a final determination be made after collection and review of post-excavation soil vapor data.

Overview

The Site is enrolled in the NYSDEC Brownfield Cleanup Program (BCP; No. C224308). Fieldwork is being performed in accordance with the NYSDEC-approved Remedial Action Work Plan (RAWP, December 2020) and Pre-Design Investigation Work Plan (PDIWP, October 2020).

Nine (9) soil vapor samples collected during the Remedial Investigation between October 2018 and July 2019 (SV-01 to SV-09) contained high levels of VOCs, primarily tetrachloroethylene (PCE, up to 750 µg/m^3) and trichloroethylene (TCE, up to 11,000 µg/m^3). The highest levels were found at SV-03, SV-05 and SV-07, within the footprint of the former building

Nine additional samples were collected in May 2021 (GBSV-01 to GBSV-09) to provide supplemental data regarding vapor contamination. The results were generally consistent with previous sampling data, with the highest levels of TCE contamination recorded at the northeastern portion at GBSV-06 (4,580 µg/m^3) and GBSV-07 (5,910 µg/m^3), with significantly lower levels (from 26.2 to 302 µg/m^3) at all other locations.

Site Investigation, Fieldwork Methodology, Sample Collection and Custody

Post-excavation soil vapor sampling was conducted at the Site in order to compare results to previous soil vapor investigations and verify whether a soil vapor extraction system (SVES) would adequately mitigate vapor impacts. Four samples were collected at the northeastern corner of the property (EPSV-01 to EPSV-04) on September 9, 2022 (EPSV-02 was not submitted for laboratory analysis due to failure of the flow controller). Five additional samples were collected (2EPSV-01 through 2EPSV-05) on May 16, 2023 to supplement the post-excavation dataset. Samples were generally located in the same locations as the first round of sampling with an additional sample (2EPSV-05) collected in the vicinity of GBSB-07 at the request of the NYSDEC.

Samples were collected in general conformance with NYSDEC and NYSDOH fieldwork protocols. All field personnel wore dedicated, disposable gloves during relevant fieldwork activities, and all samples were collected into containers provided by the laboratory. Samples were transported the following day via courier to Alpha Analytical, Inc., a New York State Department of Health-certified laboratory (ELAP Certification 11627) for chemical analyses. Appropriate chain-of-custody procedures were followed.

The samples were collected from manual hand borings extended to depths of approximately 4 feet below surface grade (bsg), which corresponds to approximately 11 feet below original grade (first sampling round) and approximately 7 feet below original grade (second sampling round). Temporary soil vapor implants were constructed by inserting an “air stone” attached to ¼” Teflon tubing into the invert of each boring and backfilling with clean #2 silica sand to approximately 1 foot bsg. The top of the borings were then sealed using a non-VOC containing clay (hydrated bentonite) in order to prevent the infiltration of surface air. A tracer gas (helium) was used to verify that adequate sampling techniques were implemented (i.e. to verify the absence of significant infiltration of ambient air), in accordance with applicable NYSDOH guidance.

Each soil vapor boring was purged prior to sampling for at least a period of five minutes, using a GilAir 3 air sampling pump, at a rate of approximately 0.2 liters/minute. The samples were collected into 2.7-liter summa canisters equipped with two-hour flow controllers.

Laboratory Results

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 soil vapor). In the absence of SCG values, soil vapor sample data were reviewed as a whole and compared to the results of all other environmental sampling.

Laboratory results are discussed below and are referenced as micrograms per cubic meter (µg/m^3). A data summary table is provided as Attachment B and a complete copy of the laboratory data package is included as Attachment C.

Samples were analyzed for VOCs utilizing USEPA Methods TO-15.

First Sampling Round (August 15, 2022)

PCE and TCE were detected in all three samples. PCE ranged from 24.3 µg/m^3 at EPSV-01 to 101 µg/m^3 at EPSV-03 and TCE ranged from 189 µg/m^3 at EPSV-04 to 1,750 µg/m^3 at EPSV-03. The only PCE/TCE breakdown product detected was a low level of cis-1,2-dichloroethene (cis,1-2-DCE) at one location (2 µg/m^3 at EPSV-03).

Relatively elevated levels of non-chlorinated solvents, including 2-butanone, 2-hexanone, and acetone were found in the vapor samples. The highest levels were recorded at EPSV-01, located at the north-central portion of the Site, where 2-butanone was recorded at 5,570 µg/m^3, 2-hexanone at 296 µg/m^3 and acetone at 2,280 µg/m^3; confirmatory endpoint sampling at excavations at this portion of the Site, however, did not document VOCs in soil, suggesting impacts to soil vapor are likely a result of local area poor quality groundwater.

Second Sampling Round (May 16, 2023)

PCE and TCE were detected in all samples at lower levels than previously reported. PCE ranged from 4.28 µg/m^3 at 2EPSV-03 to 24.8 µg/m^3 at 2EPSV-02 and TCE ranged from 26.3 µg/m^3 at 2EPSV-05 to 248 µg/m^3 at 2EPSV-01. PCE/TCE breakdown products were limited to 1,1,1-trichloroethane (1,1,1-TCA) and cis-1,2-DCE at 2EPSV-05, recorded at 3.66 µg/m^3 and 2.19 µg/m^3, respectively.

Non-chlorinated solvents and petroleum constituents were reported at all samples at lower levels than previously reported. The highest levels of 2-butanone and 2-hexanone were recorded at 2EPSV-03 (74.3 µg/m^3 and 14.5 µg/m^3, respectively) and the highest levels of acetone and toluene were recorded at 2EPSV-05 (401 µg/m^3 and 44.5 µg/m^3, respectively). Petroleum constituents were generally highest at 2EPSV-05, and ranged from 2.45 µg/m^3 (o-xylene) to 390 µg/m^3 (benzene).

Conclusions

Laboratory data documented significant reductions in PCE and TCE in soil vapor as compared to pre-remediation conditions, and confirmatory endpoint sampling continued to show an absence of any significant VOC contamination in Site soils. These findings support the conclusion that soil vapor impacts are likely due to poor quality groundwater in the vicinity of the Site and/or to off-Site contamination (no likely soil source areas were identified during Site investigation or excavation activities).

The use of a SVES at exterior areas is not recommended, based on the following:

1. While exterior soil vapor is somewhat elevated compared to conditions typically encountered in urban settings, contamination is not present in either soil or soil vapor at levels indicating a significant on-Site source area;
2. Absent a significant on-Site source area, the implementation of a remediation methodology designed for mass reduction of contaminants is neither warranted nor practical (since removal of vapors originating from local groundwater contamination and/or an off-Site source would require operating the system for an indefinite time, with no clear criteria for determining if the remedial action is successful).

Concerns regarding the potential for soil vapor intrusion (SVI) at new Site structures are being addressed though use of an active sub-slab depressurization system (SSDS). A comprehensive SVI study, inclusive of the analysis of indoor air, will be implemented following completion of the building envelope to verify the efficacy of the SSDS.

Please review this document and contact me at (845) 452-1658 should you have any questions or require additional information.

Respectfully submitted,

Gallagher Bassett Technical Services

Erick Salazar
Environmental Scientist

Reviewed by,

Gallagher Bassett Technical Services

Scott Spitzer
Technical Director – Environmental Consulting

Attachments:

A – VOCs in Soil Vapor Map
B – Laboratory Data Table
C – Laboratory Report

ATTACHMENT A

VOCs in Soil Vapor

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N

GBSV-09 (2021-05-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	11
1,3,5-Trimethylbenzene	3.55
1,3-Butadiene	9.03
2,2,4-Trimethylpentane	3.33
2-Butanone	85.2
2-Hexanone	21.8
4-Ethyltoluene	4.71
Acetone	2,080
Benzene	8.79
Carbon disulfide	8.44
Chloroform	64.5
Cyclohexane	11.5
Ethylbenzene	7.34
Isopropanol	12.3
n-Heptane	9.59
n-Hexane	10.5
o-Xylene	10
p/m-Xylene	26.4
Styrene	4.81
Tertiary butyl Alcohol (TBA)	9.67
Tetrachloroethene	10
Toluene	479

GBSV-07 (2021-05-18)	
VOCs, TO-15	
1,3-Butadiene	8.72
Acetone	122
Tetrachloroethene	146
Toluene	242
Trichloroethene	5,910

GBSV-08 (2021-05-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	11.9
1,3-Butadiene	144
2-Butanone	84.1
2-Hexanone	17.7
4-Ethyltoluene	4.55
Acetone	2,540
Benzene	85.9
Carbon disulfide	36.7
Cyclohexane	10.4
Ethanol	63.9
Ethylbenzene	10.4
Isopropanol	17.8
n-Heptane	42.6
n-Hexane	78.9
o-Xylene	12.7
p/m-Xylene	30.6
Styrene	5.45
Tetrachloroethene	8.54
Toluene	501
Trichloroethene	26.2

2EPSV-01 (2023-05-16)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	2.76
1,3-Butadiene	3.08
2-Butanone	66.9
2-Hexanone	13.9
Acetone	133
Benzene	2.13
Carbon disulfide	0.965
Chloroform	1.6
Dichlorodifluoromethane	2.09
Ethanol	17.6
Ethylbenzene	0.986
Heptane	1.22
Isopropanol	2.39
n-Hexane	2.3
o-Xylene	0.903
p/m-Xylene	1.79
Styrene	1.53
Tertiary butyl Alcohol	2.39
Tetrachloroethene	5.12
Tetrahydrofuran	1.6
Toluene	2.41
Trichloroethene	248
Trichlorofluoromethane	3.19

EPSV-01 (2022-08-15)	
VOCs, TO-15	
2-Butanone	5,570
2-Hexanone	296
Acetone	2,280
Ethanol	222
Tetrachloroethene	24.3
Trichloroethene	994

SV-07 (2019-07-18)	
VOCs, TO-15	
2-Butanone	9.8
Acetone	35
Benzene	5.6
Carbon tetrachloride	5
Chloroform	19
cis-1,2-Dichloroethylene	3.8
Ethyl Benzene	7.6
Isopropanol	12
n-Heptane	15
n-Hexane	7.3
o-Xylene	8.3
p- & m- Xylenes	26
Propylene	53
Tetrachloroethylene	750
Toluene	33
Trichloroethylene	11,000

2EPSV-02 (2023-05-16)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	2.14
1,3-Butadiene	1.85
2,2,4-Trimethylpentane	1.18
2-Butanone	51.3
2-Hexanone	14.3
4-Methyl-2-pentanone	3.34
Acetone	108
Benzene	1.34
Carbon disulfide	6.57
Chloroform	1.6
Cyclohexane	0.788
Dichlorodifluoromethane	2.02
Ethanol	20
Ethylbenzene	0.908
Heptane	0.959
Isopropanol	12.6
n-Hexane	3.16
Styrene	1.27
Tertiary butyl Alcohol	2.54
Tetrachloroethene	24.8
Tetrahydrofuran	6.81
Toluene	2.01
Trichloroethene	93.5
Trichlorofluoromethane	1.38

2EPSV-03 (2023-05-16)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	1.94
1,3-Butadiene	1.39
2,2,4-Trimethylpentane	1.59
2-Butanone	74.3
2-Hexanone	14.5
Acetone	157
Benzene	1.06
Carbon disulfide	18.7
Chloroform	1.08
Cyclohexane	0.768
Dichlorodifluoromethane	1.91
Ethanol	20
Heptane	0.947
Isopropanol	2.63
n-Hexane	2.46
Tertiary butyl Alcohol	1.59
Tetrachloroethene	4.28
Tetrahydrofuran	3.48
Toluene	1.56
Trichloroethene	34.6
Trichlorofluoromethane	1.86

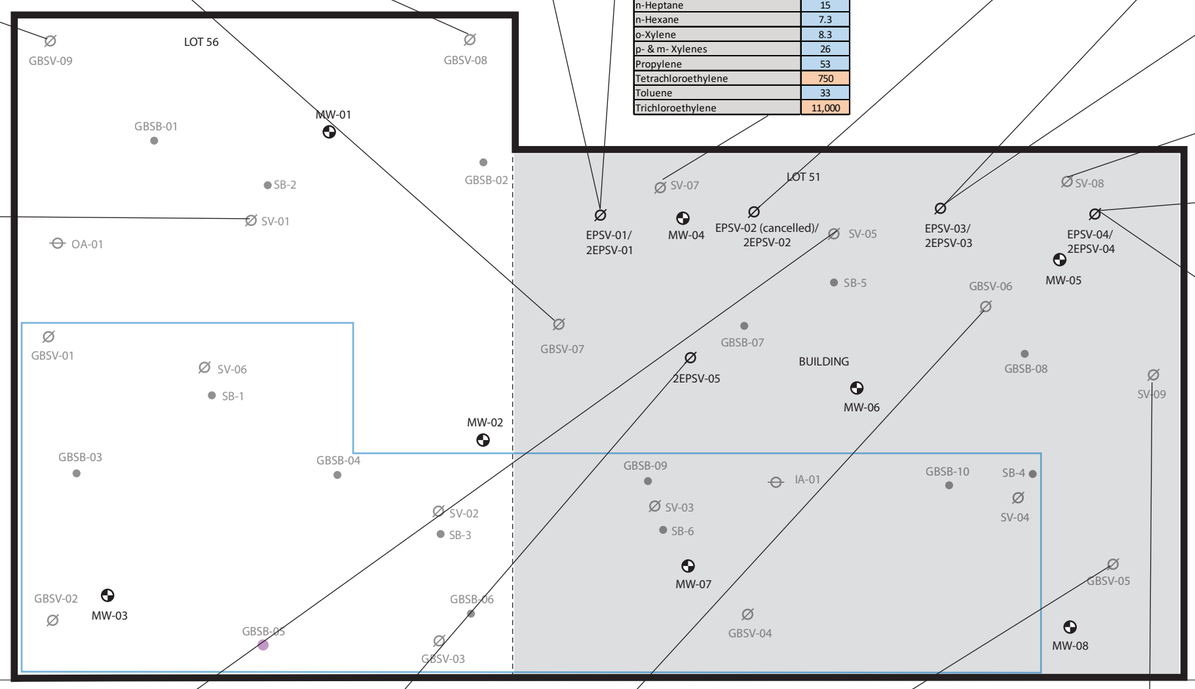
EPSV-03 (2022-08-15)	
VOCs, TO-15	
2-Butanone	2,500
2-Hexanone	173
4-Methyl-2-pentanone	4.88
Acetone	732
Benzene	2.62
Carbon disulfide	1.28
Carbon tetrachloride	1.78
Chloroform	8.11
Chloromethane	1.86
cis-1,2-Dichloroethene	2
Cyclohexane	3.12
Dichlorodifluoromethane	2.42
Ethanol	67.6
Ethylbenzene	1.07
Heptane	5.74
Isopropanol	2.19
n-Hexane	6.98
o-Xylene	1.02
p/m-Xylene	2.6
Styrene	1.29
Tertiary butyl Alcohol	9.94
Tetrachloroethene	101
Toluene	5.05
Trichloroethene	1,750
Trichlorofluoromethane	2.61

SV-08 (2019-07-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	3.8
1,3-Butadiene	12
1,3-Dichlorobenzene	5.7
2-Butanone	10
Acetone	42
Acrylonitrile	0.74
Benzene	7.5
Carbon disulfide	1.9
Carbon tetrachloride	9.6
Chlorobenzene	3
Chloroform	7.1
Cyclohexane	1.2
Dichlorodifluoromethane	2.4
Ethyl Benzene	5
Isopropanol	25
Methylene chloride	8
n-Heptane	7.1
n-Hexane	3.5
o-Xylene	5
p- & m- Xylenes	18
p-Ethyltoluene	4.5
Propylene	77
Tetrachloroethylene	740
Tetrahydrofuran	3
Toluene	30
Trichloroethylene	910

SV-01 (2018-01-10)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	7.1
1,2-Dichlorobenzene	1.2
1,3,5-Trimethylbenzene	3.6
1,3-Butadiene	47
1,3-Dichlorobenzene	4
1,4-Dichlorobenzene	1.6
2-Butanone	18
2-Hexanone	7
Acetone	51
Benzene	54
Carbon disulfide	22
Carbon tetrachloride	0.33
Chlorobenzene	11
Chloroform	5.1
Chloromethane	2.6
Cyclohexane	6.9
Dichlorodifluoromethane	2.9
Ethyl acetate	4.1
Ethyl Benzene	8.1
Isopropanol	10
Methylene chloride	2.8
n-Heptane	46
n-Hexane	81
o-Xylene	16
p- & m- Xylenes	19
p-Ethyltoluene	8.4
Propylene	610
Tetrachloroethylene	15
Tetrahydrofuran	36
Toluene	34
Trichloroethylene	44
Trichlorofluoromethane (Freon 11)	4.5

EPSV-04 (2022-08-15)	
VOCs, TO-15	
2,2,4-Trimethylpentane	342
2-Butanone	2,240
2-Hexanone	157
Acetone	774
Cyclohexane	44.1
Heptane	50.4
n-Hexane	384
Tetrachloroethene	97
Trichloroethene	189

2EPSV-04 (2023-05-16)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	1.73
1,3-Butadiene	0.529
2-Butanone	54.3
2-Hexanone	9.88
Acetone	121
Benzene	0.914
Carbon disulfide	0.984
Chloromethane	0.494
Dichlorodifluoromethane	1.85
Ethanol	21.7
Heptane	0.848
Isopropanol	4.28
n-Hexane	1.9
o-Xylene	1.14
p/m-Xylene	2.29
Tertiary butyl Alcohol	12
Tetrachloroethene	4.89
Tetrahydrofuran	3.72
Toluene	1.94
Trichloroethene	122
Trichlorofluoromethane	1.2



SV-05 (2018-01-10)	
VOCs, TO-15	
1,1-Dichloroethylene	4.6
1,2,4-Trimethylbenzene	6.2
1,2-Dichlorobenzene	1.1
1,3,5-Trimethylbenzene	3.1
1,3-Butadiene	44
1,3-Dichlorobenzene	3.4
1,4-Dichlorobenzene	1.4
2-Butanone	10
2-Hexanone	6.5
Acetone	27
Benzene	37
Carbon disulfide	22
Carbon tetrachloride	2.6
Chlorobenzene	9.3
Chloroform	14
Chloromethane	1.3
cis-1,2-Dichloroethylene	3.6
Cyclohexane	7
Dichlorodifluoromethane	2
Ethyl acetate	2.8
Ethyl Benzene	4.7
Isopropanol	5.1
Methylene chloride	2.7
n-Heptane	20
n-Hexane	28
o-Xylene	12
p- & m- Xylenes	14
p-Ethyltoluene	7.5
Propylene	520
Tetrachloroethylene	150
Tetrahydrofuran	27
Toluene	17
trans-1,2-Dichloroethylene	0.55
Trichloroethylene	4,800
Trichlorofluoromethane (Freon 11)	1.6

2EPSV-05 (2023-05-16)	
VOCs, TO-15	
1,1,1-Trichloroethane	3.66
1,2,4-Trimethylbenzene	4.18
1,3-Butadiene	25
2,2,4-Trimethylpentane	43.6
2-Butanone	36.6
Acetone	401
Benzene	390
Carbon disulfide	16.4
Chloroethane	1.61
Chloroform	28.6
Chloromethane	2.64
cis-1,2-Dichloroethene	2.19
Cyclohexane	49.6
Ethanol	36.6
Ethylbenzene	4.43
Heptane	47.9
Isopropanol	36.9
n-Hexane	68
o-Xylene	2.45
Tertiary butyl Alcohol	12.6
Tetrachloroethene	4.58
Tetrahydrofuran	7.55
Toluene	44.5
Trichloroethene	26.3
Trichlorofluoromethane	4.17

GBSV-06 (2021-05-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	14.6
2-Butanone	37.8
Acetone	137
Tetrachloroethene	236
Toluene	243
Trichloroethene	4,580

GBSV-05 (2021-05-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	14.2
1,3,5-Trimethylbenzene	4.57
1,3-Butadiene	2.35
2,2,4-Trimethylpentane	9.15
2-Butanone	25.7
2-Hexanone	3.79
4-Ethyltoluene	5.56
Acetone	140
Benzene	2.44
Carbon disulfide	11.4
Chloroform	5.18
Cyclohexane	2.39
Dichlorodifluoromethane	1.86
Ethylbenzene	7.38
Isopropanol	2.25
n-Heptane	4.26
n-Hexane	4.55
o-Xylene	10.2
p/m-Xylene	27.7
Styrene	5.32
Tertiary butyl Alcohol (TBA)	4.67
Tetrachloroethene	285
Tetrahydrofuran	4.81
Toluene	407
Trichloroethene	169

SV-09 (2019-07-18)	
VOCs, TO-15	
1,2,4-Trimethylbenzene	3.7
1,3-Butadiene	5.7
1,3-Dichlorobenzene	4.5
2-Butanone	8.8
Acetone	42
Benzene	3.8
Carbon disulfide	15
Carbon tetrachloride	100
Chloroform	13
Cyclohexane	4.9
Dichlorodifluoromethane	3.4
Ethyl Benzene	3.7
Isopropanol	5.8
Methylene chloride	8.5
n-Hexane	5
o-Xylene	4
p- & m- Xylenes	12
p-Ethyltoluene	3.1
Propylene	35
Tetrachloroethylene	1,200
Toluene	16
Trichloroethylene	710

0 10 20
SCALE IN FEET
(APPROXIMATELY)

Legend:
- subject property border
- lot line
- proposed building outline
- previous soil boring location
- previous soil vapor location
- previous ambient air sample location
- monitoring well location
- endpoint soil vapor location (2022 & 2023)

All data in µg/m³
Detected VOCs
Detected PCE or TCE

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.

VOCs in Soil Vapor

811-817 Lexington Avenue
Borough of Brooklyn, New York

File: 21003-0111

Scale as shown

June 2023 | Attachment A

ATTACHMENT B

Data Table

VOCs in Soil Vapor
811 Lexington Avenue (C224308)
GBTS Project: 21003-0111

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ID	EPSV-01		2EPSV-01		2EPSV-02		EPSV-03		2EPSV-03		EPSV-04		2EPSV-04		2EPSV-05	
All data in µg/m³ Date	2022-09-13		2023-05-16		2023-05-16		2022-09-13		2023-05-16		2022-09-13		2023-05-16		2023-05-16	
U=Not Detected ≥ value Dilution	17.72						1				21.55					
VOCs, TO-15	*Result*	*Flag*					*Result*	*Flag*			*Result*	*Flag*				
1,1,1-Trichloroethane	19.3	U	1.09	U	1.09	U	1.09	U	1.09	U	23.5	U	1.09	U	3.66	
1,1,2,2-Tetrachloroethane	24.3	U	1.37	U	1.37	U	1.37	U	1.37	U	29.6	U	1.37	U	3.43	U
1,1,2-Trichloroethane	19.3	U	1.09	U	1.09	U	1.09	U	1.09	U	23.5	U	1.09	U	2.73	U
1,1-Dichloroethane	14.3	U	0.809	U	0.809	U	0.809	U	0.809	U	17.4	U	0.809	U	2.02	U
1,1-Dichloroethene	14	U	0.793	U	0.793	U	0.793	U	0.793	U	17.1	U	0.793	U	1.98	U
1,2,4-Trichlorobenzene	26.3	U	1.48	U	1.48	U	1.48	U	1.48	U	32	U	1.48	U	3.71	U
1,2,4-Trimethylbenzene	17.4	U	2.76		2.14		0.983	U	1.94		21.2	U	1.73		4.18	
1,2-Dibromoethane	27.2	U	1.54	U	1.54	U	1.54	U	1.54	U	33.1	U	1.54	U	3.84	U
1,2-Dichlorobenzene	21.3	U	1.2	U	1.2	U	1.2	U	1.2	U	25.9	U	1.2	U	3.01	U
1,2-Dichloroethane	14.3	U	0.809	U	0.809	U	0.809	U	0.809	U	17.4	U	0.809	U	2.02	U
1,2-Dichloropropane	16.4	U	0.924	U	0.924	U	0.924	U	0.924	U	19.9	U	0.924	U	2.31	U
1,3,5-Trimethylbenzene	17.4	U	0.983	U	0.983	U	0.983	U	0.983	U	21.2	U	0.983	U	2.46	U
1,3-Butadiene	7.83	U	3.08		1.85		0.442	U	1.39		9.53	U	0.529		25	
1,3-Dichlorobenzene	21.3	U	1.2	U	1.2	U	1.2	U	1.2	U	25.9	U	1.2	U	3.01	U
1,4-Dichlorobenzene	21.3	U	1.2	U	1.2	U	1.2	U	1.2	U	25.9	U	1.2	U	3.01	U
1,4-Dioxane	12.8	U	0.721	U	0.721	U	0.721	U	0.721	U	15.5	U	0.721	U	1.8	U
2,2,4-Trimethylpentane	16.5	U	0.934	U	1.18		0.934	U	1.59		342		0.934	U	43.6	
2-Butanone	5,570		66.9		51.3		2,500		74.3		2,240		54.3		36.6	
2-Hexanone	296		13.9		14.3		173		14.5		157		9.88		2.05	U
3-Chloropropene	11.1	U	0.626	U	0.626	U	0.626	U	0.626	U	13.5	U	0.626	U	1.57	U
4-Ethyltoluene	17.4	U	0.983	U	0.983	U	0.983	U	0.983	U	21.2	U	0.983	U	2.46	U
4-Methyl-2-pentanone	36.3	U	2.05	U	3.34		4.88		2.05	U	44.3	U	2.05	U	5.12	U
Acetone	2,280		133		108		732		157		774		121		401	
Benzene	11.3	U	2.13		1.34		2.62		1.06		13.8	U	0.914		390	
Benzyl chloride	18.3	U	1.04	U	1.04	U	1.04	U	1.04	U	22.3	U	1.04	U	2.59	U
Bromodichloromethane	23.7	U	1.34	U	1.34	U	1.34	U	1.34	U	28.9	U	1.34	U	3.35	U
Bromoform	36.6	U	2.07	U	2.07	U	2.07	U	2.07	U	44.6	U	2.07	U	5.17	U
Bromomethane	13.7	U	0.777	U	0.777	U	0.777	U	0.777	U	16.7	U	0.777	U	1.94	U
Carbon disulfide	11	U	0.965		6.57		1.28		18.7		13.4	U	0.984		16.4	
Carbon tetrachloride	22.3	U	1.26	U	1.26	U	1.78		1.26	U	27.1	U	1.26	U	3.15	U
Chlorobenzene	16.3	U	0.921	U	0.921	U	0.921	U	0.921	U	19.8	U	0.921	U	2.3	U
Chloroethane	9.34	U	0.528	U	0.528	U	0.528	U	0.528	U	11.4	U	0.528	U	1.61	
Chloroform	17.3	U	1.6		1.6		8.11		1.08		21	U	0.977	U	28.6	
Chloromethane	7.31	U	0.413	U	0.413	U	1.86		0.413	U	8.9	U	0.494		2.64	
cis-1,2-Dichloroethene	14	U	0.793	U	0.793	U	2		0.793	U	17.1	U	0.793	U	2.19	
cis-1,3-Dichloropropene	16.1	U	0.908	U	0.908	U	0.908	U	0.908	U	19.6	U	0.908	U	2.27	U
Cyclohexane	12.2	U	0.688	U	0.788		3.12		0.768		44.1		0.688	U	49.6	
Dibromochloromethane	30.2	U	1.7	U	1.7	U	1.7	U	1.7	U	36.7	U	1.7	U	4.26	U
Dichlorodifluoromethane	17.5	U	2.09		2.02		2.42		1.91		21.3	U	1.85		2.47	U
Ethanol	222		17.6		20		67.6		20		203	U	21.7		36.6	
Ethyl Acetate	31.9	U	1.8	U	1.8	U	1.8	U	1.8	U	38.9	U	1.8	U	4.5	U
Ethylbenzene	15.4	U	0.986		0.908		1.07		0.869	U	18.7	U	0.869	U	4.43	
Freon-113	27.1	U	1.53	U	1.53	U	1.53	U	1.53	U	33	U	1.53	U	3.83	U
Freon-114	24.7	U	1.4	U	1.4	U	1.4	U	1.4	U	30.1	U	1.4	U	3.49	U
Heptane	14.5	U	1.22		0.959		5.74		0.947		50.4		0.848		47.9	
Hexachlorobutadiene	37.8	U	2.13	U	2.13	U	2.13	U	2.13	U	46	U	2.13	U	5.33	U
Isopropanol	21.8	U	2.39		12.6		2.19		2.63		26.5	U	4.28		36.9	
Methyl tert butyl ether	12.8	U	0.721	U	0.721	U	0.721	U	0.721	U	15.5	U	0.721	U	1.8	U
Methylene chloride	30.8	U	1.74	U	1.74	U	1.74	U	1.74	U	37.5	U	1.74	U	4.34	U
n-Hexane	12.5	U	2.3		3.16		6.98		2.46		384		1.9		68	
o-Xylene	15.4	U	0.903		0.869	U	1.02		0.869	U	18.7	U	1.14		2.45	
p/m-Xylene	30.8	U	1.79		1.74	U	2.6		1.74	U	37.4	U	2.29		4.34	U
Styrene	15.1	U	1.53		1.27		1.29		0.852	U	18.4	U	0.852	U	2.13	U
Tertiary butyl Alcohol	26.9	U	2.39		2.54		9.94		1.59		32.7	U	12		12.6	
Tetrachloroethene	24.3		5.12		24.8		101		4.28		97		4.89		4.58	
Tetrahydrofuran	26.1	U	1.6		6.81		1.47	U	3.48		31.9	U	3.72		7.55	
Toluene	13.3	U	2.41		2.01		5.05		1.56		16.2	U	1.94		44.5	
trans-1,2-Dichloroethene	14	U	0.793	U	0.793	U	0.793	U	0.793	U	17.1	U	0.793	U	1.98	U
trans-1,3-Dichloropropene	16.1	U	0.908	U	0.908	U	0.908	U	0.908	U	19.6	U	0.908	U	2.27	U
Trichloroethene	994		248		93.5		1,750		34.6		189		122		26.3	
Trichlorofluoromethane	19.9	U	3.19		1.38		2.61		1.86		24.2	U	1.2		4.17	
Vinyl bromide	15.5	U	0.874	U	0.874	U	0.874	U	0.874	U	18.8	U	0.874	U	2.19	U
Vinyl chloride	9.05	U	0.511	U	0.511	U	0.511	U	0.511	U	11	U	0.511	U	1.28	U

Detected VOCs
Detected PCE or TCE

Notes: NA = not available
Result Qualifiers: J = approximate E = estimated B = detected in blank

ATTACHMENT C

Laboratory Report

ANALYTICAL REPORT

Lab Number:	L2249800
Client:	Gallagher Bassett Technical Services 22 IBM Road Suite 101 Poughkeepsie, NY 12603
ATTN:	Erick Salazar
Phone:	(845) 867-4714
Project Name:	Not Specified
Project Number:	IB19062
Report Date:	09/28/22

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: Not Specified
Project Number: IB19062

Lab Number: L2249800
Report Date: 09/28/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2249800-01	EPSV-01	SOIL_VAPOR	811 LEXINGTON AVE	09/13/22 14:20	09/13/22
L2249800-02	EPSV-02	SOIL_VAPOR	811 LEXINGTON AVE	09/13/22 14:21	09/13/22
L2249800-03	EPSV-03	SOIL_VAPOR	811 LEXINGTON AVE	09/13/22 14:21	09/13/22
L2249800-04	EPSV-04	SOIL_VAPOR	811 LEXINGTON AVE	09/13/22 14:21	09/13/22

Project Name:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

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:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 13, 2022. The canister certification results are provided as an addendum.

L2249800-01D and -03: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2249800-01D2 and -03D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2249800-04D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Sample Receipt

The sample designated EPSV-02 (L2249800-02) failed to collect and was cancelled.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 09/28/22

AIR

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-01 D
Client ID: EPSV-01
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:20
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/22 00:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	3.54	--	ND	17.5	--		17.72
Chloromethane	ND	3.54	--	ND	7.31	--		17.72
Freon-114	ND	3.54	--	ND	24.7	--		17.72
Vinyl chloride	ND	3.54	--	ND	9.05	--		17.72
1,3-Butadiene	ND	3.54	--	ND	7.83	--		17.72
Bromomethane	ND	3.54	--	ND	13.7	--		17.72
Chloroethane	ND	3.54	--	ND	9.34	--		17.72
Ethanol	118	88.6	--	222	167	--		17.72
Vinyl bromide	ND	3.54	--	ND	15.5	--		17.72
Acetone	961	17.7	--	2280	42.0	--		17.72
Trichlorofluoromethane	ND	3.54	--	ND	19.9	--		17.72
Isopropanol	ND	8.86	--	ND	21.8	--		17.72
1,1-Dichloroethene	ND	3.54	--	ND	14.0	--		17.72
Tertiary butyl Alcohol	ND	8.86	--	ND	26.9	--		17.72
Methylene chloride	ND	8.86	--	ND	30.8	--		17.72
3-Chloropropene	ND	3.54	--	ND	11.1	--		17.72
Carbon disulfide	ND	3.54	--	ND	11.0	--		17.72
Freon-113	ND	3.54	--	ND	27.1	--		17.72
trans-1,2-Dichloroethene	ND	3.54	--	ND	14.0	--		17.72
1,1-Dichloroethane	ND	3.54	--	ND	14.3	--		17.72
Methyl tert butyl ether	ND	3.54	--	ND	12.8	--		17.72
2-Butanone	1820	8.86	--	5370	26.1	--	E	17.72
cis-1,2-Dichloroethene	ND	3.54	--	ND	14.0	--		17.72

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-01 D
Client ID: EPSV-01
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:20
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	8.86	--	ND	31.9	--		17.72
Chloroform	ND	3.54	--	ND	17.3	--		17.72
Tetrahydrofuran	ND	8.86	--	ND	26.1	--		17.72
1,2-Dichloroethane	ND	3.54	--	ND	14.3	--		17.72
n-Hexane	ND	3.54	--	ND	12.5	--		17.72
1,1,1-Trichloroethane	ND	3.54	--	ND	19.3	--		17.72
Benzene	ND	3.54	--	ND	11.3	--		17.72
Carbon tetrachloride	ND	3.54	--	ND	22.3	--		17.72
Cyclohexane	ND	3.54	--	ND	12.2	--		17.72
1,2-Dichloropropane	ND	3.54	--	ND	16.4	--		17.72
Bromodichloromethane	ND	3.54	--	ND	23.7	--		17.72
1,4-Dioxane	ND	3.54	--	ND	12.8	--		17.72
Trichloroethene	185	3.54	--	994	19.0	--		17.72
2,2,4-Trimethylpentane	ND	3.54	--	ND	16.5	--		17.72
Heptane	ND	3.54	--	ND	14.5	--		17.72
cis-1,3-Dichloropropene	ND	3.54	--	ND	16.1	--		17.72
4-Methyl-2-pentanone	ND	8.86	--	ND	36.3	--		17.72
trans-1,3-Dichloropropene	ND	3.54	--	ND	16.1	--		17.72
1,1,2-Trichloroethane	ND	3.54	--	ND	19.3	--		17.72
Toluene	ND	3.54	--	ND	13.3	--		17.72
2-Hexanone	72.2	3.54	--	296	14.5	--		17.72
Dibromochloromethane	ND	3.54	--	ND	30.2	--		17.72
1,2-Dibromoethane	ND	3.54	--	ND	27.2	--		17.72
Tetrachloroethene	3.58	3.54	--	24.3	24.0	--		17.72
Chlorobenzene	ND	3.54	--	ND	16.3	--		17.72
Ethylbenzene	ND	3.54	--	ND	15.4	--		17.72

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-01 D
Client ID: EPSV-01
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:20
Date Received: 09/13/22
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								
p/m-Xylene	ND	7.09	--	ND	30.8	--		17.72
Bromoform	ND	3.54	--	ND	36.6	--		17.72
Styrene	ND	3.54	--	ND	15.1	--		17.72
1,1,2,2-Tetrachloroethane	ND	3.54	--	ND	24.3	--		17.72
o-Xylene	ND	3.54	--	ND	15.4	--		17.72
4-Ethyltoluene	ND	3.54	--	ND	17.4	--		17.72
1,3,5-Trimethylbenzene	ND	3.54	--	ND	17.4	--		17.72
1,2,4-Trimethylbenzene	ND	3.54	--	ND	17.4	--		17.72
Benzyl chloride	ND	3.54	--	ND	18.3	--		17.72
1,3-Dichlorobenzene	ND	3.54	--	ND	21.3	--		17.72
1,4-Dichlorobenzene	ND	3.54	--	ND	21.3	--		17.72
1,2-Dichlorobenzene	ND	3.54	--	ND	21.3	--		17.72
1,2,4-Trichlorobenzene	ND	3.54	--	ND	26.3	--		17.72
Hexachlorobutadiene	ND	3.54	--	ND	37.8	--		17.72

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

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-01 D2
Client ID: EPSV-01
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:20
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/22 08:16
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	1890	14.8	--	5570	43.6	--		29.52

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

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-03
Client ID: EPSV-03
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/22 01:14
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.490	0.200	--	2.42	0.989	--		1
Chloromethane	0.903	0.200	--	1.86	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	35.9	5.00	--	67.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	308	1.00	--	732	2.38	--		1
Trichlorofluoromethane	0.465	0.200	--	2.61	1.12	--		1
Isopropanol	0.891	0.500	--	2.19	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.28	0.500	--	9.94	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.411	0.200	--	1.28	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	500	0.500	--	1470	1.47	--	E	1
cis-1,2-Dichloroethene	0.505	0.200	--	2.00	0.793	--		1

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-03
Client ID: EPSV-03
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.66	0.200	--	8.11	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.98	0.200	--	6.98	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.820	0.200	--	2.62	0.639	--		1
Carbon tetrachloride	0.283	0.200	--	1.78	1.26	--		1
Cyclohexane	0.905	0.200	--	3.12	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	232	0.200	--	1250	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	1.40	0.200	--	5.74	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.19	0.500	--	4.88	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	1.34	0.200	--	5.05	0.754	--		1
2-Hexanone	42.1	0.200	--	173	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	14.9	0.200	--	101	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.246	0.200	--	1.07	0.869	--		1

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-03
Client ID: EPSV-03
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
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								
p/m-Xylene	0.599	0.400	--	2.60	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.302	0.200	--	1.29	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.234	0.200	--	1.02	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	111		60-140

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-03 D
Client ID: EPSV-03
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/22 08:58
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Butanone	846	8.34	--	2500	24.6	--		16.67
Trichloroethene	326	3.33	--	1750	17.9	--		16.67

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-04 D
Client ID: EPSV-04
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/28/22 01:44
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	4.31	--	ND	21.3	--		21.55
Chloromethane	ND	4.31	--	ND	8.90	--		21.55
Freon-114	ND	4.31	--	ND	30.1	--		21.55
Vinyl chloride	ND	4.31	--	ND	11.0	--		21.55
1,3-Butadiene	ND	4.31	--	ND	9.53	--		21.55
Bromomethane	ND	4.31	--	ND	16.7	--		21.55
Chloroethane	ND	4.31	--	ND	11.4	--		21.55
Ethanol	ND	108	--	ND	203	--		21.55
Vinyl bromide	ND	4.31	--	ND	18.8	--		21.55
Acetone	326	21.6	--	774	51.3	--		21.55
Trichlorofluoromethane	ND	4.31	--	ND	24.2	--		21.55
Isopropanol	ND	10.8	--	ND	26.5	--		21.55
1,1-Dichloroethene	ND	4.31	--	ND	17.1	--		21.55
Tertiary butyl Alcohol	ND	10.8	--	ND	32.7	--		21.55
Methylene chloride	ND	10.8	--	ND	37.5	--		21.55
3-Chloropropene	ND	4.31	--	ND	13.5	--		21.55
Carbon disulfide	ND	4.31	--	ND	13.4	--		21.55
Freon-113	ND	4.31	--	ND	33.0	--		21.55
trans-1,2-Dichloroethene	ND	4.31	--	ND	17.1	--		21.55
1,1-Dichloroethane	ND	4.31	--	ND	17.4	--		21.55
Methyl tert butyl ether	ND	4.31	--	ND	15.5	--		21.55
2-Butanone	758	10.8	--	2240	31.9	--		21.55
cis-1,2-Dichloroethene	ND	4.31	--	ND	17.1	--		21.55

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-04 D
Client ID: EPSV-04
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	10.8	--	ND	38.9	--		21.55
Chloroform	ND	4.31	--	ND	21.0	--		21.55
Tetrahydrofuran	ND	10.8	--	ND	31.9	--		21.55
1,2-Dichloroethane	ND	4.31	--	ND	17.4	--		21.55
n-Hexane	109	4.31	--	384	15.2	--		21.55
1,1,1-Trichloroethane	ND	4.31	--	ND	23.5	--		21.55
Benzene	ND	4.31	--	ND	13.8	--		21.55
Carbon tetrachloride	ND	4.31	--	ND	27.1	--		21.55
Cyclohexane	12.8	4.31	--	44.1	14.8	--		21.55
1,2-Dichloropropane	ND	4.31	--	ND	19.9	--		21.55
Bromodichloromethane	ND	4.31	--	ND	28.9	--		21.55
1,4-Dioxane	ND	4.31	--	ND	15.5	--		21.55
Trichloroethene	35.2	4.31	--	189	23.2	--		21.55
2,2,4-Trimethylpentane	73.3	4.31	--	342	20.1	--		21.55
Heptane	12.3	4.31	--	50.4	17.7	--		21.55
cis-1,3-Dichloropropene	ND	4.31	--	ND	19.6	--		21.55
4-Methyl-2-pentanone	ND	10.8	--	ND	44.3	--		21.55
trans-1,3-Dichloropropene	ND	4.31	--	ND	19.6	--		21.55
1,1,2-Trichloroethane	ND	4.31	--	ND	23.5	--		21.55
Toluene	ND	4.31	--	ND	16.2	--		21.55
2-Hexanone	38.2	4.31	--	157	17.7	--		21.55
Dibromochloromethane	ND	4.31	--	ND	36.7	--		21.55
1,2-Dibromoethane	ND	4.31	--	ND	33.1	--		21.55
Tetrachloroethene	14.3	4.31	--	97.0	29.2	--		21.55
Chlorobenzene	ND	4.31	--	ND	19.8	--		21.55
Ethylbenzene	ND	4.31	--	ND	18.7	--		21.55

Project Name: ***Lab Number:*** L2249800

Project Number: IB19062 ***Report Date:*** 09/28/22

SAMPLE RESULTS

Lab ID: L2249800-04 D
Client ID: EPSV-04
Sample Location: 811 LEXINGTON AVE

Date Collected: 09/13/22 14:21
Date Received: 09/13/22
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								
p/m-Xylene	ND	8.62	--	ND	37.4	--		21.55
Bromoform	ND	4.31	--	ND	44.6	--		21.55
Styrene	ND	4.31	--	ND	18.4	--		21.55
1,1,2,2-Tetrachloroethane	ND	4.31	--	ND	29.6	--		21.55
o-Xylene	ND	4.31	--	ND	18.7	--		21.55
4-Ethyltoluene	ND	4.31	--	ND	21.2	--		21.55
1,3,5-Trimethylbenzene	ND	4.31	--	ND	21.2	--		21.55
1,2,4-Trimethylbenzene	ND	4.31	--	ND	21.2	--		21.55
Benzyl chloride	ND	4.31	--	ND	22.3	--		21.55
1,3-Dichlorobenzene	ND	4.31	--	ND	25.9	--		21.55
1,4-Dichlorobenzene	ND	4.31	--	ND	25.9	--		21.55
1,2-Dichlorobenzene	ND	4.31	--	ND	25.9	--		21.55
1,2,4-Trichlorobenzene	ND	4.31	--	ND	32.0	--		21.55
Hexachlorobutadiene	ND	4.31	--	ND	46.0	--		21.55

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140

Project Name: Not Specified
Project Number: IB19062
Lab Number: L2249800
Report Date: 09/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/22 14:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1692710-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: Not Specified
Project Number: IB19062
Lab Number: L2249800
Report Date: 09/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/22 14:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1692710-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: Not Specified
Project Number: IB19062
Lab Number: L2249800
Report Date: 09/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/27/22 14:47

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,03-04 Batch: WG1692710-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: IB19062

Lab Number: L2249800
Report Date: 09/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1692710-3								
Dichlorodifluoromethane	91		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	94		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Bromomethane	88		-		70-130	-		
Chloroethane	91		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	82		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	101		-		70-130	-		
Isopropanol	86		-		40-160	-		
1,1-Dichloroethene	102		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	84		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	96		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	99		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: IB19062

Lab Number: L2249800
Report Date: 09/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1692710-3								
Ethyl Acetate	92		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
1,2-Dichloroethane	110		-		70-130	-		
n-Hexane	97		-		70-130	-		
1,1,1-Trichloroethane	112		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	97		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	85		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	98		-		70-130	-		
cis-1,3-Dichloropropene	105		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	94		-		70-130	-		
1,1,2-Trichloroethane	97		-		70-130	-		
Toluene	84		-		70-130	-		
2-Hexanone	85		-		70-130	-		
Dibromochloromethane	88		-		70-130	-		
1,2-Dibromoethane	83		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: IB19062

Lab Number: L2249800
Report Date: 09/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,03-04 Batch: WG1692710-3								
Tetrachloroethene	81		-		70-130	-		
Chlorobenzene	84		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	87		-		70-130	-		
Styrene	84		-		70-130	-		
1,1,2,2-Tetrachloroethane	89		-		70-130	-		
o-Xylene	91		-		70-130	-		
4-Ethyltoluene	81		-		70-130	-		
1,3,5-Trimethylbenzene	86		-		70-130	-		
1,2,4-Trimethylbenzene	92		-		70-130	-		
Benzyl chloride	86		-		70-130	-		
1,3-Dichlorobenzene	86		-		70-130	-		
1,4-Dichlorobenzene	84		-		70-130	-		
1,2-Dichlorobenzene	85		-		70-130	-		
1,2,4-Trichlorobenzene	88		-		70-130	-		
Hexachlorobutadiene	93		-		70-130	-		

Project Name:

Lab Number: L2249800

Project Number: IB19062

Report Date: 09/28/22

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
L2249800-01	EPSV-01	0927	Flow 3	09/13/22	399066		-	-	-	Pass	18.0	17.8	1
L2249800-01	EPSV-01	3232	2.7L Can	09/13/22	399066	L2248248-01	Pass	-29.7	-17.7	-	-	-	-
L2249800-02	EPSV-02	0359	Flow 2	09/13/22	399066		-	-	-	Pass	18.0	17.0	6
L2249800-02	EPSV-02	2198	2.7L Can	09/13/22	399066	L2248248-01	Pass	-29.7	-28.6	-	-	-	-
L2249800-03	EPSV-03	01541	Flow 3	09/13/22	399066		-	-	-	Pass	18.0	18.0	0
L2249800-03	EPSV-03	2211	2.7L Can	09/13/22	399066	L2248248-01	Pass	-29.6	-5.7	-	-	-	-
L2249800-04	EPSV-04	01824	Flow 3	09/13/22	399066		-	-	-	Pass	18.0	17.6	2
L2249800-04	EPSV-04	2383	2.7L Can	09/13/22	399066	L2248248-01	Pass	-29.6	-5.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/07/22 18:45
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: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
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: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
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: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/07/22 18:45
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: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2248248
Report Date: 09/28/22

Air Canister Certification Results

Lab ID: L2248248-01
Client ID: CAN 248 SHELF 2
Sample Location:

Date Collected: 09/06/22 10:00
Date Received: 09/06/22
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	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140

Project Name: Not Specified
Project Number: IB19062

Lab Number: L2249800
Report Date: 09/28/22

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(*)
L2249800-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2249800-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		CANCELLED()
L2249800-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2249800-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

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:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	Not Specified	**Lab Number:**	L2249800
Project Number:	IB19062	**Report Date:**	09/28/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab: 9/14/22

ALPHA Job #: L2249800

Client Information

Client: GBTS

Address: 22 IBM Rd

Phone:

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:

Project Location: 811 Lexington Ave

Project #: 1819062

Project Manager: Erick Salazar

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
NY	SVI	Res

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ANALYSIS: TO-15; TO-15 SIM; APH; Subtract Nonpetroleum HCs ☐; Fixed Gases; Sulfides & Mercaptans by TO-15

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
49800-01	EPSV-01	9/13	12:20	14:20	-30.16	-18.15	SV	[illegible]	2.7L	3232	0927	X					
02	EPSV-02	↓	12:21	14:21	-30.87	-30.53	↓	↓	↓	2198	0359	X					Flow Cont. issue DO NOT ANALYZE
03	EPSV-03	↓	12:21	14:21	-30.02	-5.45	↓	↓	↓	2211	01541	X					
04	EPSV-04	↓	12:21	14:21	-29.62	-5.57	↓	↓	↓	2383	01824	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]	9/13/22 14:40	[signature]	9/13 1440
VAR	9/13/22	[signature]	9.13.22 2100
[signature]	9.13.22	[signature] AAL	9/13/22 2250
EL AAL	9/14/22 0140	[signature]	9/14/22 0140

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

ANALYTICAL REPORT

Lab Number:	L2327229
Client:	Gallagher Bassett Technical Services 22 IBM Road Suite 101 Poughkeepsie, NY 12603
ATTN:	Erick Salazar
Phone:	(845) 867-4714
Project Name:	811 LEXINGTON
Project Number:	21003-0111
Report Date:	05/31/23

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

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

Project Name: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2327229-01	2EPSV-01	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN	05/16/23 13:28	05/17/23
L2327229-02	2EPSV-02	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN	05/16/23 13:28	05/17/23
L2327229-03	2EPSV-03	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN	05/16/23 13:28	05/17/23
L2327229-04	2EPSV-04	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN	05/16/23 13:29	05/17/23
L2327229-05	2EPSV-05	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN	05/16/23 13:29	05/17/23
L2327229-06	UNUSED CAN #3031	SOIL_VAPOR	811 LEXINGTON AVE, BROOKLYN		05/17/23

Project Name:	811 LEXINGTON	**Lab Number:**	L2327229
Project Number:	21003-0111	**Report Date:**	05/31/23

Case Narrative

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

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

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

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

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

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

Project Name:	811 LEXINGTON	**Lab Number:**	L2327229
Project Number:	21003-0111	**Report Date:**	05/31/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 15, 2023. The canister certification results are provided as an addendum.

L2327229-05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/31/23

AIR

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-01
Client ID: 2EPSV-01
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/26/23 19:24
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.423	0.200	--	2.09	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.39	0.200	--	3.08	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	9.33	5.00	--	17.6	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	56.0	1.00	--	133	2.38	--		1
Trichlorofluoromethane	0.568	0.200	--	3.19	1.12	--		1
Isopropanol	0.971	0.500	--	2.39	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.789	0.500	--	2.39	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.310	0.200	--	0.965	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	22.7	0.500	--	66.9	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-01
Client ID: 2EPSV-01
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.328	0.200	--	1.60	0.977	--		1
Tetrahydrofuran	0.542	0.500	--	1.60	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.652	0.200	--	2.30	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.667	0.200	--	2.13	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	46.2	0.200	--	248	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.297	0.200	--	1.22	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.640	0.200	--	2.41	0.754	--		1
2-Hexanone	3.39	0.200	--	13.9	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.755	0.200	--	5.12	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.227	0.200	--	0.986	0.869	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-01
Client ID: 2EPSV-01
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.412	0.400	--	1.79	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.360	0.200	--	1.53	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.208	0.200	--	0.903	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.562	0.200	--	2.76	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-02
Client ID: 2EPSV-02
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/26/23 20:03
Analyst: TJS

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.408	0.200	--	2.02	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.836	0.200	--	1.85	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.6	5.00	--	20.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	45.5	1.00	--	108	2.38	--		1
Trichlorofluoromethane	0.245	0.200	--	1.38	1.12	--		1
Isopropanol	5.14	0.500	--	12.6	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.837	0.500	--	2.54	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.11	0.200	--	6.57	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	17.4	0.500	--	51.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-02
Client ID: 2EPSV-02
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.328	0.200	--	1.60	0.977	--		1
Tetrahydrofuran	2.31	0.500	--	6.81	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.897	0.200	--	3.16	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.421	0.200	--	1.34	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.229	0.200	--	0.788	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	17.4	0.200	--	93.5	1.07	--		1
2,2,4-Trimethylpentane	0.253	0.200	--	1.18	0.934	--		1
Heptane	0.234	0.200	--	0.959	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.814	0.500	--	3.34	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.533	0.200	--	2.01	0.754	--		1
2-Hexanone	3.50	0.200	--	14.3	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.65	0.200	--	24.8	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.209	0.200	--	0.908	0.869	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-02
Client ID: 2EPSV-02
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.299	0.200	--	1.27	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.435	0.200	--	2.14	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-03
Client ID: 2EPSV-03
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/26/23 20:43
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.386	0.200	--	1.91	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.630	0.200	--	1.39	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	10.6	5.00	--	20.0	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	66.1	1.00	--	157	2.38	--		1
Trichlorofluoromethane	0.331	0.200	--	1.86	1.12	--		1
Isopropanol	1.07	0.500	--	2.63	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.524	0.500	--	1.59	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	5.99	0.200	--	18.7	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	25.2	0.500	--	74.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-03
Client ID: 2EPSV-03
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.222	0.200	--	1.08	0.977	--		1
Tetrahydrofuran	1.18	0.500	--	3.48	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.698	0.200	--	2.46	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.331	0.200	--	1.06	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.223	0.200	--	0.768	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	6.43	0.200	--	34.6	1.07	--		1
2,2,4-Trimethylpentane	0.341	0.200	--	1.59	0.934	--		1
Heptane	0.231	0.200	--	0.947	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.414	0.200	--	1.56	0.754	--		1
2-Hexanone	3.53	0.200	--	14.5	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.631	0.200	--	4.28	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-03
Client ID: 2EPSV-03
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:28
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.395	0.200	--	1.94	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-04
Client ID: 2EPSV-04
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/26/23 21:22
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.375	0.200	--	1.85	0.989	--		1
Chloromethane	0.239	0.200	--	0.494	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.239	0.200	--	0.529	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	11.5	5.00	--	21.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	50.9	1.00	--	121	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	1.74	0.500	--	4.28	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.96	0.500	--	12.0	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.316	0.200	--	0.984	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	18.4	0.500	--	54.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-04
Client ID: 2EPSV-04
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.26	0.500	--	3.72	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.540	0.200	--	1.90	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.286	0.200	--	0.914	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	22.7	0.200	--	122	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.207	0.200	--	0.848	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.514	0.200	--	1.94	0.754	--		1
2-Hexanone	2.41	0.200	--	9.88	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.721	0.200	--	4.89	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-04
Client ID: 2EPSV-04
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	0.527	0.400	--	2.29	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.262	0.200	--	1.14	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.352	0.200	--	1.73	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-05 D
Client ID: 2EPSV-05
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/26/23 22:37
Analyst: TJS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	1.28	0.500	--	2.64	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	11.3	0.500	--	25.0	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	0.612	0.500	--	1.61	1.32	--		2.5
Ethanol	19.4	12.5	--	36.6	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	169	2.50	--	401	5.94	--		2.5
Trichlorofluoromethane	0.742	0.500	--	4.17	2.81	--		2.5
Isopropanol	15.0	1.25	--	36.9	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	4.17	1.25	--	12.6	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	5.26	0.500	--	16.4	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	12.4	1.25	--	36.6	3.69	--		2.5
cis-1,2-Dichloroethene	0.552	0.500	--	2.19	1.98	--		2.5

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-05 D
Client ID: 2EPSV-05
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5
Chloroform	5.86	0.500	--	28.6	2.44	--		2.5
Tetrahydrofuran	2.56	1.25	--	7.55	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	19.3	0.500	--	68.0	1.76	--		2.5
1,1,1-Trichloroethane	0.670	0.500	--	3.66	2.73	--		2.5
Benzene	122	0.500	--	390	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	14.4	0.500	--	49.6	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	4.89	0.500	--	26.3	2.69	--		2.5
2,2,4-Trimethylpentane	9.34	0.500	--	43.6	2.34	--		2.5
Heptane	11.7	0.500	--	47.9	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	11.8	0.500	--	44.5	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	0.675	0.500	--	4.58	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	1.02	0.500	--	4.43	2.17	--		2.5

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

SAMPLE RESULTS

Lab ID: L2327229-05 D
Client ID: 2EPSV-05
Sample Location: 811 LEXINGTON AVE, BROOKLYN

Date Collected: 05/16/23 13:29
Date Received: 05/17/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	ND	1.00	--	ND	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	0.565	0.500	--	2.45	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	0.850	0.500	--	4.18	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

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

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/26/23 18:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1784091-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/26/23 18:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1784091-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 811 LEXINGTON
Project Number: 21003-0111
Lab Number: L2327229
Report Date: 05/31/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/26/23 18:05

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1784091-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1784091-3								
Dichlorodifluoromethane	81		-		70-130	-		
Chloromethane	86		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	95		-		70-130	-		
1,3-Butadiene	78		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	101		-		70-130	-		
Ethanol	72		-		40-160	-		
Vinyl bromide	88		-		70-130	-		
Acetone	102		-		40-160	-		
Trichlorofluoromethane	85		-		70-130	-		
Isopropanol	81		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	78		-		70-130	-		
Methylene chloride	77		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	86		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Methyl tert butyl ether	72		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 811 LEXINGTON

Project Number: 21003-0111

Lab Number: L2327229

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1784091-3								
Ethyl Acetate	105		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
1,2-Dichloroethane	84		-		70-130	-		
n-Hexane	100		-		70-130	-		
1,1,1-Trichloroethane	77		-		70-130	-		
Benzene	115		-		70-130	-		
Carbon tetrachloride	79		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	90		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	103		-		70-130	-		
Heptane	87		-		70-130	-		
cis-1,3-Dichloropropene	82		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
trans-1,3-Dichloropropene	73		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	87		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 811 LEXINGTON

Project Number: 21003-0111

Lab Number: L2327229

Report Date: 05/31/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1784091-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	99		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	101		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	88		-		70-130	-		
Benzyl chloride	81		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	101		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	94		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1784091-5 QC Sample: L2327229-04 Client ID: 2EPSV-04						
Dichlorodifluoromethane	0.375	0.380	ppbV	1		25
Chloromethane	0.239	0.247	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.239	0.248	ppbV	4		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	11.5	11.8	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	50.9	51.9	ppbV	2		25
Trichlorofluoromethane	0.213	0.217	ppbV	2		25
Isopropanol	1.74	1.85	ppbV	6		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Tertiary butyl Alcohol	3.96	4.00	ppbV	1		25
Methylene chloride	ND	0.926	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.316	0.325	ppbV	3		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1784091-5 QC Sample: L2327229-04 Client ID: 2EPSV-04						
2-Butanone	18.4	18.6	ppbV	1		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	1.26	1.29	ppbV	2		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.540	0.549	ppbV	2		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	0.286	0.284	ppbV	1		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	22.7	22.8	ppbV	0		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	0.207	0.200	ppbV	3		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: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1784091-5 QC Sample: L2327229-04 Client ID: 2EPSV-04						
Toluene	0.514	0.514	ppbV	0		25
2-Hexanone	2.41	2.40	ppbV	0		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	0.721	0.731	ppbV	1		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	0.527	0.532	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	0.262	0.265	ppbV	1		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.352	0.349	ppbV	1		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

Project Name: 811 LEXINGTON

Project Number: 21003-0111

Lab Number: L2327229

Report Date: 05/31/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2327229-01	2EPSV-01	01718	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	17.4	3
L2327229-01	2EPSV-01	512	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.4	-6.1	-	-	-	-
L2327229-02	2EPSV-02	01168	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	16.1	11
L2327229-02	2EPSV-02	3215	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.4	-8.5	-	-	-	-
L2327229-03	2EPSV-03	01806	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	17.8	1
L2327229-03	2EPSV-03	3238	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.2	-6.5	-	-	-	-
L2327229-04	2EPSV-04	01456	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	18.0	0
L2327229-04	2EPSV-04	2042	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.2	-5.6	-	-	-	-
L2327229-05	2EPSV-05	0732	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	17.3	4
L2327229-05	2EPSV-05	3441	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.4	-6.3	-	-	-	-
L2327229-06	UNUSED CAN #3031	01525	Flow 3	05/15/23	424098		-	-	-	Pass	18.0	17.8	1
L2327229-06	UNUSED CAN #3031	3031	2.7L Can	05/15/23	424098	L2326031-01	Pass	-29.6	-29.5	-	-	-	-

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

Lab Number: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/11/23 18:46
Analyst: TJS

	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: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
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: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	102		60-140

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

Lab Number: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/11/23 18:46
Analyst: TJS

	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: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2326031
Report Date: 05/31/23

Air Canister Certification Results

Lab ID: L2326031-01
Client ID: CAN 3429 SHELF 7
Sample Location:

Date Collected: 05/10/23 18:00
Date Received: 05/11/23
Field Prep: Not Specified

Sample Depth:

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

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

Project Name: 811 LEXINGTON
Project Number: 21003-0111

Lab Number: L2327229
Report Date: 05/31/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2327229-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2327229-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2327229-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2327229-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2327229-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2327229-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	811 LEXINGTON	**Lab Number:**	L2327229
Project Number:	21003-0111	**Report Date:**	05/31/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	811 LEXINGTON	**Lab Number:**	L2327229
Project Number:	21003-0111	**Report Date:**	05/31/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	811 LEXINGTON	**Lab Number:**	L2327229
Project Number:	21003-0111	**Report Date:**	05/31/23

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

PAGE ____ OF ____

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

Date Rec'd in Lab: 5/18/23

ALPHA Job #: L2327229

Client Information

Client: Gallagher Bassett Technical Svcs
Address: 22 IBM Rd, Suite 101
Poughkeepsie NY 12601
Phone: 845 452 1658
Fax:
Email: Erick Salazar

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 811 Lexington
Project Location: 811 Lexington Ave, Brooklyn
Project #: 21003-0111
Project Manager: Erick Salazar
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: NYSDEC ASP-B; EQuIS
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Attn: Brooke Wells

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	DOH	

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
27229-01	2EPSV-01	5/16/23	11:28	13:28	-30.29	-4.92	SV	ES	2.7L	512	01718	X					0.0ppm
02	2EPSV-02	↓	11:28	13:28	-30.04	-7.84	↓	↓	↓	3215	01168	↓					↓
03	2EPSV-03	↓	11:28	13:28	-29.56	-5.35	↓	↓	↓	3238	01806	↓					↓
04	2EPSV-04	↓	11:29	13:29	-29.46	-4.61	↓	↓	↓	2042	01456	↓					↓
05	2EPSV-05	↓	11:29	13:29	-30.06	-6.64	↓	↓	↓	3441	0732	↓					↓

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

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature] GBTS	5/17/23 10:19	[signature] AAL	5/17/23 1046
[signature] AAL	5/17/23 1245	Paul Mazzella	5/17/23 2030
Paul Mazzella	5/17/23 0100	[signature]	5/18/23 0100
[signature]	5/18/23 0500	[signature]	5/18/23 0800

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.

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