



Prepared for:
Endzone, Inc.
Ozone Park, NY

Prepared by:
AECOM
Chelmsford, MA
60752529
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Former Ozone Industries, Inc. Site, Ozone Park, Queens New York

NYSDEC Site Number: 2-41-033

July 2025 Progress Report July 2024 through June 2025 (11-months)



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1. Introduction

On behalf of Endzone Inc. (Endzone), AECOM has prepared this semi-annual (11-month) Progress Report, which summarizes the results of the Operation and Maintenance (O&M) of the Soil Vapor Extraction (SVE) and Sub-slab Depressurization (SSD) remedial systems at the Former Ozone Industries, Inc. site (New York State Department of Environmental Conservation [NYSDEC] Site Number: 2-41-033). This report covers the period of July 2024 through June 2025.

Extensive re-bound site testing and monitoring was completed after the remedial systems were shut off in July 2019 per NYSDEC and in conjunction with an approved work plan by AECOM (dated August 21, 2019 and approved by NYSDEC on October 30, 2019). The results of the testing were provided in the January 2021 semi-annual Progress Report by AECOM. In the January 2021 report, AECOM recommended the completion of a Final Engineering Report (FER) that includes the shutdown and decommissioning of the SVE system and implementation of engineering controls. Subsequently, there were attempts to meet with NYSDEC and New York State Department of Health (NYSDOH) to discuss the results and site closure, and AECOM provided additional requested figures to NYSDEC for their evaluation. Eventually, AECOM had a call with NYSDEC in May 2021, and NYSDEC requested that the remedial systems (SVE and SSD be restarted and operated as they create a “P” site and launch an investigation into other off-site source areas and responsible parties). Both systems were restarted in June 2021 as requested and have been operating since restart. The submittal of this progress report summarizing system operations (since system restart in June 2021) is consistent with the format of previous reports provided.

The site is located in a mixed commercial/industrial/residential area of the Ozone Park section of Queens County of New York City, New York and is identified as Block 9106 and Lot 70 on the New York City Tax Map. The site is bounded by 101st Avenue to the north, 103rd Avenue to the south, 99th Street to the west, and 100th Street to the east (see **Figures 1 and 2**). The site is located across the street from 101-32 101st Street, the location of the former Ozone Industries facility.

Operation and maintenance visits and sampling events reported herein were conducted by either Clean Globe Environmental (Clean Globe) under subcontract to AECOM or AECOM personnel. The findings of each visit are discussed below.

All the data included in this report will be submitted electronically to the NYSDEC website.

Communications with New York State Department of Environmental Conservation

On June 25, 2025, Signature Aviation, along with representatives from AECOM, NYSDEC, DCAS, NYSDOH, and legal counsel for NYSDEC and Signature Aviation, had an in-person meeting at the NYSDEC offices in Albany, NY to discuss the current status of the project and the next steps required to move this site toward closure. It was agreed upon during the meeting that NYSDEC would review the previously submitted Draft FER and a follow-up meeting would be scheduled with the same parties in August 2025. NYSDEC indicated that comments on the Draft FER will be provided prior to the follow-up meeting scheduled for September 2025.

Communications with New York Department of Citywide Administrative Services

On the afternoon of March 31, 2025, New York Department of Citywide Administrative Services (DCAS) requested entry to the bays the following day, April 1, 2025. AECOM provided access at the agreed upon time and was onsite, but on the afternoon of April 1st, DCAS cancelled the site visit and requested a visit for April 8, 2025. Clean Globe, the site subcontractor of AECOM, met the subcontractor of DCAS, Superstructure, onsite on April 8, 2025, and provided the requested access. On May 2, 2025, DCAS reached out and requested access to the bays for May 6, 2025, so their subcontractor could finish the work that was started on April 8th. Clean Globe, the site subcontractor of AECOM, met the subcontractor of DCAS, Superstructure, onsite on May 6, 2025, and provided the requested access.

2. SVE/SSD Operation and Maintenance

This section presents the evaluation of the system influent and effluent analytical air sampling data, (one round during this 11-month period) and the field data collected during each of the O&M site visits during this period (July 1, 2024 through June 30, 2025). Four O&M site visits took place on August 20, 2024, November 20, 2024, February 3, 2025, and April 8, 2025. **Figure 1** depicts the layout of the bays and systems.

O&M Events

The following information was primarily gathered during the O&M events:

- SSD vacuum blower, vacuum, flow, and temperature readings;
- SSD monitoring well head vacuums and photoionization detector (PID) concentrations;
- Effluent concentrations exiting the SSD carbon vessels;
- SVE vacuum blower, vacuum, flow, and temperature readings;
- SVE monitoring well head PID concentrations;
- Effluent concentrations exiting the SVE carbon vessels;
- Total effluent concentrations being discharged from the exhaust stack; and
- Air samples collected for laboratory analysis from the influent of the SVE, and total combined effluent (SVE/SSD) following off gas treatment (February 2025 event only).

SSD

During this period, the SSD system maintained an average flowrate of 299 standard cubic feet per minute (SCFM) applied to the 8 SSD legs. The vacuum applied to each leg was individually adjusted to provide a minimum flowrate of at least 30 SCFM to each bay to maintain adequate protection from mitigation of potential subsurface vapor migration as outlined in the July 2016 Interim Site Management Plan (ISMP) for the site, as approved by NYSDEC on September 8, 2016. During each O&M visit when the system was running, the flowrate at each leg was measured with a hot wire anemometer to confirm that the minimum flowrate was being upheld (30 SCFM). Prior to O&M adjustments, flowrates in each of the individual legs ranged from a minimum of 5.7 SCFM to a maximum of 71.8 SCFM. SSD-2 had an average flowrate below the design minimum of 30 SCFM during all O&M events, but vacuum was still observed in the bays as measured in the monitoring points MP-3S and MP-4S. This leg was adjusted during the O&M events to meet the minimum 30 SCFM threshold.

Influent volatile organic compounds (VOCs) were measured with a calibrated PID from each of the SSD legs during the O&M events and concentrations were below the detection limit (0.0 parts per million (ppm)) from each individual leg. Total VOC levels prior to carbon treatment ranged from below detection limits to 0.2 ppm measured in February 2025. A summary of the readings taken during the O&M visits are presented in **Appendix A**.

SVE

The SVE system maintained an average total flowrate of 310 SCFM during this period. Due to historical non-detect PID readings during previous (pre-2021) monitoring and sub slab vapor sampling events, eleven of the SVE legs (SVE-1, SVE-2, SVE-4, SVE-5, SVE-6, SVE-7, SVE-8, SVE-24, SVE-25, SVE-26, and SVE-27) have been shut off since 2019 to increase vacuum influence on the remaining legs. Like the SSD system, the vacuum applied to the SVE

wells was manually adjusted so that each leg maintained a minimum flowrate of approximately 25 SCFM, as stated in the ISMP.

Influent VOCs from each of the individual SVE legs were measured with a calibrated PID during each O&M event and ranged between 0.0 ppm and 24.8 ppm.

The VOC concentrations collected during this reporting period appear to be reaching asymptotic levels and continue to support the conclusion that the remediation capabilities of the SVE system have been achieved. A summary of the readings collected during the O&M visit are presented in **Appendix A**.

Combined Systems Operation

In each of the eight bays, two shallow monitoring points, each at a depth of 1.5 feet below ground surface (bgs) were monitored to observe SSD system influence. Two deep monitoring points, each at a depth of approximately 15 feet bgs, were monitored in each bay to observe SVE influence. In addition to these monitoring points, two wells, each at a depth of 30 feet bgs were also monitored in Bay 12 because that bay has bi-level SVE wells which extend to approximately 30 feet bgs. During the O&M events this monitoring period, the vacuum influence and the VOC concentrations were measured at each operable monitoring point. A summary of the monitoring point results is included in **Appendix A**. Vacuum was observed in the monitoring points during the May 2024 and August 2024 events but was only measured at some locations during the November 2024, and February 2025 and April 2025 events due to the sensitivity of the manometer being used.

Laboratory Analyses of Air Samples

Indoor Air Samples

AECOM collected one round of indoor air sampling with the systems off consisting of eight indoor and one outdoor (background) ambient air samples followed by one round of soil gas samples from four previously installed soil gas points in the Bays.

On August 20, 2024, seven indoor and one outdoor (background) ambient air samples were collected from the Site; one sample for each Bay (i.e., Bay 8B, Bay 10, Bay 11, Bay 12, Bay 13, Bay 14, and Bay 15) with the exception of Bay 9 which was inaccessible due to a malfunctioning entry door at the time of sampling, and one background sample collected from outside Bay 14. Additionally, on the same day, four soil gas samples were collected from Bay -9, -11, -13, and -15 from existing SVE vapor monitoring points as follows: MP-6S (Bay 9), MP-8S (Bay 11), MP-12S (Bay 13) and MP-15S (Bay 15). Refer to **Figure 2** for the location of each soil gas sample location. Data sheets collected at the time of the sampling are included in **Appendix D**.

The indoor and outdoor ambient air samples were collected for a period of approximately eight hours with the use of certified clean, 6-liter Summa® canisters. Indoor and outdoor air canisters were labeled with caution signs ("Do Not Touch") and the intake was positioned between three and five feet above the ground to represent typical breathing zones.

The sub slab samples were collected after the indoor air samples were completed to avoid potential cross contamination from the sub slab vapors with the indoor air sample. The four soil gas samples were collected for a period of approximately 30 minutes (grab samples) with the use of certified clean, 2.7-liter Summa® canisters. Prior to collecting the sample, approximately five liters of soil gas were purged from each of the sampling points to ensure that the sample collected was representative of soil gas in the area beneath the slab and not just the stagnant air from

directly beneath the slab. After purging, the soil gas was screened using a PID and subsequently connected to a Summa® canister for sampling.

The samples were picked up by laboratory courier and relinquished under a chain-of-custody for delivery to Pace Analytical Laboratories (formerly Alpha Laboratories) in Mansfield, Massachusetts. All samples were analyzed via EPA Method TO-15 SIM for the five site specific VOC constituents (vinyl chloride, trans-1,2-dichloroethene, cis-1,2-dichloroethene, TCE, and PCE) as specified in the Groundwater Monitoring Opinion, Vapor Intrusion Assessment Plan & Remedial Systems Rebound Testing Work Plan submitted in April 2017.

The indoor and outdoor ambient air sample results for the August 20, 2024 sampling event indicate the following:

- No detections above the laboratory reportable limits for vinyl chloride (0.051 micrograms per cubic meter [ug/m^3]), trans-1,2-dichloroethene (0.079 ug/m^3) and cis-1,2-dichloroethene (0.079 ug/m^3) in any of the seven indoor ambient air samples;
- TCE was detected above the laboratory reportable limits (0.107 ug/m^3) at all seven indoor sample locations. The highest level of TCE (1.90 ug/m^3) was detected in the sample from Bay-8;
- PCE was detected above the laboratory reportable limits (0.136 ug/m^3) in all seven indoor air samples. The highest level of PCE (2.31 ug/m^3) was detected in the sample from Bay-14 and is suspected to be the result of offsite sources as it was detected in the outdoor sample (see following bullet); and
- The outdoor (background) sample results indicate that PCE was detected in the sample (1.52 ug/m^3) collected near Bay-14. All other analytes were not above the laboratory detection limit.

Refer to **Table 3** for the results of the 2024 ambient air sampling analyses, and to **Appendix B** for the 2024 laboratory analytical results.

The results of the four soil gas samples taken in Bays -9, -11, -13, and -15, indicate the following:

- No detections above the laboratory reportable limits for vinyl chloride (0.511 ug/m^3), cis-1,2-dichloroethene (0.793 ug/m^3), or trans-1,2-dichloroethene (0.793 ug/m^3) in any of the samples;
- TCE was detected above the laboratory reportable limits (1.07 ug/m^3) in all four sample locations. The highest level of TCE (8.06 ug/m^3) was detected in Bay-9; and
- PCE was detected above the laboratory reportable limits (1.36 ug/m^3) in all four sample locations. The highest level of PCE (4.92 ug/m^3) was detected in Bay-13.

Refer to **Table 4** for the results of the 2024 soil gas sampling, and to **Appendix B** for the 2024 laboratory analytical results.

System Air Sampling

One round of air samples from the system were collected on February 3, 2025 from the SVE influent (before carbon treatment), SSD influent (before carbon treatment), and the total combined effluent (following carbon treatment). Per compliance requirements established in a memorandum issued by the NYSDEC on February 28, 2003 (Substantive

Compliance with Air Requirements), the emission from the system is not to exceed 0.5 pounds per hour (lbs/hr). The results of the completed air sampling events are shown in **Table 1**.

The laboratory analytical report from the air sampling is provided in **Appendix B**. The system samples were analyzed for the VOCs listed in the TO-15 method.

Analytically, effluent concentrations have remained below the effluent limit established by the NYSDEC regulations. Mass removal data at the influent of both SVE and SSD system as well as the combined effluent mass discharge rate following carbon treatment is presented in **Table 2**.

Mass removal achieved from the SVE system is approximately 0.00104 lbs/hr. When the mass removal rate for the SVE and SSD system are totaled for each sampling event, it is below the discharge limit requiring pollution control. The mass of contaminants discharged to the atmosphere following carbon treatment was an average of 0.00116 lbs/hr.

Two graphs are included in **Appendix C** which depict VOC concentrations over time for the influent (prior to treatment) SSD and SVE systems. Following the system restart in June 2021, after being shut down since August 2019, VOC concentrations did not rebound to the levels previously measured during past sampling events. A slight increase in concentrations of VOCs was observed directly following restart, but influent concentrations have remained below detection limits since the August 2021 O&M event. Analytical results are still well below the initial concentrations observed at the startup of the systems in 2016.

3. Summary and Future Actions

During this period, the SSD and SVE systems have operated as intended. The SVE and SSD influent concentrations from this reporting period are similar or “flat” after decreasing from higher levels in 2016.

Future Actions – Final Engineering Report and O&M Activities

While the FER is being reviewed by NYSDEC and NYSDOH, O&M events will continue on an approximate bi-monthly (every two months) basis. AECOM will also continue to perform periodic site visits to ensure that the storage bays have not been tampered or damaged and to make sure the system is optimally performing. Semi-annual air samples will be taken at the SVE influent and total effluent following carbon treatment in Summer 2025, while the system is operational. SSD influent and effluent samples will be suspended once approval from NYSDEC is received to temporarily suspend the operation of the SSD. An update on site conditions will be included in the semi-annual (six-month) report to NYSDEC scheduled for Fall 2025, unless discussions with NYSDEC and/or NYSDOH during the September 2025 follow-up meeting indicate that an alternative reporting approach is required.

TABLES

Table 1- Summary O&M Air Sample Analytical Data
Former Ozone Industries, Inc. Site,
Ozone Park, Queens, NY

	LOCATION	SVE Influent					SSD Influent			
	SAMPLING DATE	3/28/2022	7/26/2022	10/25/2023	3/18/2024	2/3/2025	3/28/2022	7/26/2022	3/18/2024	2/3/2025
		2022 Q1 Sampling Event	2022 Q3 Sampling Event	2023 Q4 Sampling Event	2024 Q1 Sampling Event	2025 Q1 Sampling Event	2022 Q1 Sampling Event	2022 Q3 Sampling Event	2024 Q1 Sampling Event	2025 Q1 Sampling Event
	LAB SAMPLE ID	L2215966-03	L2239902-03	L2363961-02	L2415720-01	CS56412	L2215966-02	L2239902-02	L2415720-02	CS56413
ANALYTE	PID READING (ppm)	ND	ND	ND	0.6	0.3	ND	ND	9.0	ND
VOCs TO-15	Units									
1,1,1-Trichloroethane	ug/m ³	<4.54	<10.9	<6.82	<1.09	<5.00	<1.09	<1.09	<1.09	<5.00
1,2,4-Trimethylbenzene	ug/m ³	<4.1	67.4	<6.15	9.34	89.9	<0.983	31.4	16.3	25.7
1,4-Dichlorobenzene	ug/m ³	<5.01	<12.0	<7.52	<1.20	<5.00	<1.2	<1.2	<1.20	<5.00
2,2,4-Trimethylpentane	ug/m ³	<3.89	162	<5.84	<0.934	--	<0.934	38.6	1.51	--
2-Butanone (MEK)	ug/m ³	<6.13	<14.7	<9.20	1.97	<5.01	<1.47	2.85	2.1	<5.01
Acetone*	ug/m ³	<9.91	<23.8	<14.8	4.68	17	<2.38	<2.38	5.3	38.2
Benzene	ug/m ³	2.85	28.6	4.82	0.649	<5.01	<0.639	31.3	1.22	5.14
Carbon Disulfide*	ug/m ³	<2.59	<6.23	<3.89	<0.623	<5.01	<0.623	<0.623	<0.623	<5.01
Chloroform	ug/m ³	7.81	12	8.59	4.8	9.95	<0.977	<0.977	<0.977	<4.98
Chloromethane	ug/m ³	<1.72	<4.13	<2.58	<0.413	<4.99	0.733	0.69	0.715	<4.99
cis-1,2-Dichloroethene	ug/m ³	197	171	107	69	62.6	<0.793	4.6	<0.793	1.47
Dichlorodifluoromethane	ug/m ³	<4.12	<9.89	<6.18	2.29	<4.99	2.18	2.24	2.24	<4.99
Ethanol	ug/m ³	<39.2	<94.2	<58.8	<9.42	13.5	<9.42	46.7	14.4	74
Isopropyl Alcohol	ug/m ³	<5.11	<1.23	<7.67	<1.23	5.82	<1.23	<1.23	<1.23	<5.01
Methylene Chloride	ug/m ³	<7.23	<17.4	<10.8	3.79	<15.0	<1.74	2.13	<1.74	<15.0
n-Hexane	ug/m ³	<2.94	437	<4.41	<0.705	<5.00	<0.705	60.6	2.29	6.83
Tertiary butyl Alcohol	ug/m ³	<6.31	<15.2	<9.46	<1.52	--	<1.52	<1.52	<1.52	--
Tetrachloroethene	ug/m ³	390	285	160	106	115	1.8	37.4	1.64	5.59
Tetrahydrofuran	ug/m ³	<6.13	<14.7	<9.20	2.73	<5.01	<1.47	<1.47	3.01	<5.01
Toluene	ug/m ³	<3.14	107	<4.71	3.28	<5.01	0.874	202	8.4	14.3
trans-1,2-Dichloroethene	ug/m ³	<3.3	<7.93	<4.96	<0.793	<4.99	<0.793	<0.793	<0.793	<4.99
Trichloroethene	ug/m ³	1810	2150	2060	1010	1220	15.4	120	13.2	31.3
Naphthalene	ug/m ³	NS	NS	NS	5.82	<5.23	NS	NS	5.14	<5.23
Trichlorofluoromethane	ug/m ³	<4.68	<11.2	<7.02	1.25	<5.00	<1.12	1.16	<1.12	<5.00
Total VOCs	ug/m ³	2,468	4,015	2,430	1,235	1,574	36	587	83	238

Notes:

- 1) -- = Non-existent data dependent on laboratory specific analyte list
- 2) * = As reported by laboratory this analyte is common laboratory background contaminant
- 3) ug/m3 = micrograms per cubic meter
- 4) ppm = parts-per-million
- 5) NS = Not Sampled
- 6) **Bold** = Analyte detected in sample

Table 1- Summary O&M Air Sample
Analytical Data
Former Ozone Industries, Inc. Site,
Ozone Park, Queens, NY

	LOCATION	Total Effluent				
	SAMPLING DATE	3/28/2022	7/26/2022	10/25/2023	3/18/2024	2/3/2025
		2022 Q1 Sampling Event	2022 Q3 Sampling Event	2023 Q4 Sampling Event	2024 Q1 Sampling Event	2025 Q1 Sampling Event
	LAB SAMPLE ID	L2215966-01	L2239902-01	L2363961-01	L2415720-03	CS56414
ANALYTE	PID READING (ppm)	ND	ND	ND	ND	ND
VOCs TO-15	Units					
1,1,1-Trichloroethane	ug/m ³	<1.09	<6.82	<3.64	<1.09	<5.00
1,2,4-Trimethylbenzene	ug/m ³	1.2	<6.15	<3.28	<0.983	<5.01
1,4-Dichlorobenzene	ug/m ³	<1.2	<7.52	<4.01	<1.20	< 5.00
2,2,4-Trimethylpentane	ug/m ³	<0.934	<5.84	<3.12	<0.934	--
2-Butanone (MEK)	ug/m ³	<1.47	<9.20	<4.93	1.7	<5.01
Acetone*	ug/m ³	<2.38	<14.8	<7.91	<2.38	<5.01
Benzene	ug/m ³	<0.639	<3.99	<2.13	<0.639	<5.01
Carbon Disulfide*	ug/m ³	<0.623	<3.89	<2.08	<0.623	<5.01
Chloroform	ug/m ³	2.12	12.6	6.84	3.76	<4.98
Chloromethane	ug/m ³	0.475	<2.58	<1.38	0.467	<4.99
cis-1,2-Dichloroethene	ug/m ³	42.4	190	99.5	65.4	20
Dichlorodifluoromethane	ug/m ³	1.45	<6.18	<3.30	1.79	<4.99
Ethanol	ug/m ³	<9.42	<58.8	<31.5	12.1	7.19
Isopropyl Alcohol	ug/m ³	<1.23	<7.67	<4.10	7.57	<5.01
Methylene Chloride	ug/m ³	<1.74	<10.8	<5.80	<1.74	<15.0
n-Hexane	ug/m ³	<0.705	<4.41	<2.35	<0.705	<5.00
Tertiary butyl Alcohol	ug/m ³	<1.52	<9.46	<5.06	2.94	--
Tetrachloroethene	ug/m ³	<1.36	12.5	<4.52	<1.36	<1.25
Tetrahydrofuran	ug/m ³	1.61	<9.20	<4.93	<1.47	<5.01
Toluene	ug/m ³	1.03	6.63	<2.51	<0.754	<5.01
trans-1,2-Dichloroethene	ug/m ³	<0.793	<4.96	<2.64	<0.793	<4.99
Trichloroethene	ug/m ³	<1.07	2830	1380	591	380
Naphthalene	ug/m ³	NS	NS	NS	2.11	<5.23
Trichlorofluoromethane	ug/m ³	<1.12	<7.02	<3.75	<1.12	<5.00
Total VOCs	ug/m ³	64	3,141	1,538	697	458

Notes:

1) -- = Non-existent data dependent on laboratory specific analyte list

2) * = As reported by laboratory this analyte is common laboratory background contaminant

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) NS = Not Sampled

6) **Bold** = Analyte detected in sample

Table 2 - Summary of Mass Removal
Former Ozone Industries, Inc. Site,
Ozone Park, Queens, NY

	LOCATION	SVE Influent				
	SAMPLING DATE	3/28/2022	7/26/2022	10/25/2023	3/18/2024	2/3/2025
	LAB SAMPLE ID	L2215966-03	L2239902-03	L2363961-02	L2415720-01	CS56413
ANALYTE	Flow Rate (CFM)	380	341	416	446	310
VOCs TO-15	Units					
1,1,1-Trichloroethane	lbs/hr	0.000003	0.000007	0.000005	0.000001	0.000003
1,2,4-Trimethylbenzene	lbs/hr	0.000003	0.000086	0.000005	0.000016	0.000104
1,4-Dichlorobenzene	lbs/hr	0.000004	0.000008	0.000006	0.000001	0.000003
2,2,4-Trimethylpentane	lbs/hr	0.000003	0.000207	0.000005	0.000001	0.000000
2-Butanone (MEK)	lbs/hr	0.000004	0.000009	0.000007	0.000003	0.000003
Acetone	lbs/hr	0.000007	0.000015	0.000012	0.000008	0.000020
Benzene	lbs/hr	0.000004	0.000037	0.000008	0.000001	0.000003
Carbon Disulfide	lbs/hr	0.000002	0.000004	0.000003	0.000001	0.000003
Chloroform	lbs/hr	0.000011	0.000015	0.000013	0.000008	0.000012
Chloromethane	lbs/hr	0.000001	0.000003	0.000002	0.000000	0.000003
cis-1,2-Dichloroethene	lbs/hr	0.000280	0.000218	0.000167	0.000115	0.000073
Dichlorodifluoromethane	lbs/hr	0.000003	0.000006	0.000005	0.000004	0.000003
Ethanol	lbs/hr	0.000028	0.000060	0.000046	0.000008	0.000016
Isopropyl Alcohol	lbs/hr	0.000004	0.000001	0.000006	0.000001	0.000007
Methylene Chloride	lbs/hr	0.000005	0.000011	0.000008	0.000006	0.000009
n-Hexane	lbs/hr	0.000002	0.000558	0.000003	0.000001	0.000003
Tertiary butyl Alcohol	lbs/hr	0.000004	0.000010	0.000007	0.000001	0.000000
Tetrachloroethene	lbs/hr	0.000555	0.000364	0.000249	0.000177	0.000134
Tetrahydrofuran	lbs/hr	0.000004	0.000009	0.000007	0.000005	0.000003
Toluene	lbs/hr	0.000002	0.000137	0.000004	0.000005	0.000003
trans-1,2-Dichloroethene	lbs/hr	0.000002	0.000005	0.000004	0.000001	0.000003
Trichloroethene	lbs/hr	0.002576	0.003350	0.003210	0.001687	0.001417
Naphthalene	lbs/hr	0.000000	0.000000	0.000000	0.000010	0.000003
Trichlorofluoromethane	lbs/hr	0.000003	0.000007	0.000005	0.000002	0.000003
Total Mass Removal Rate	lbs/hr	0.00351	0.00513	0.00379	0.00206	0.00183

Notes:

1) Compliance with Air Requirements = Per DEC memorandum issued 2/28/2003, remediation systems that have the potential to discharged greater than 0.5 lb/hr shall require pollution controls.

2) Mass Removal = VOC conc. ug/m3*flow rate (CFM)*(60 mins/hr)/(453,590,000 ug/lb)/(35.32 ft3/m3)

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) **Bold** = Analyte detected in sample

6) Effluent samples were taken from the total effluent of both systems

Table 2 - Summary of Mass Removal
Former Ozone Industries, Inc. Site,
Ozone Park, Queens, NY

	LOCATION	SSD Influent			
	SAMPLING DATE	3/28/2022	7/26/2022	3/18/2024	2/3/2025
	LAB SAMPLE ID	L2215966-02	L2239902-02	L2415720-02	CS56413
ANALYTE	Flow Rate (CFM)	291	292	249	299
VOCs TO-15	Units				
1,1,1-Trichloroethane	lbs/hr	0.000001	0.000001	0.000001	0.000003
1,2,4-Trimethylbenzene	lbs/hr	0.000001	0.000034	0.000015	0.000029
1,4-Dichlorobenzene	lbs/hr	0.000001	0.000001	0.000001	0.000003
2,2,4-Trimethylpentane	lbs/hr	0.000001	0.000042	0.000001	0.000000
2-Butanone (MEK)	lbs/hr	0.000001	0.000003	0.000002	0.000003
Acetone	lbs/hr	0.000001	0.000001	0.000005	0.000043
Benzene	lbs/hr	0.000000	0.000034	0.000001	0.000006
Carbon Disulfide	lbs/hr	0.000000	0.000000	0.000000	0.000003
Chloroform	lbs/hr	0.000001	0.000001	0.000000	0.000003
Chloromethane	lbs/hr	0.000001	0.000001	0.000001	0.000003
cis-1,2-Dichloroethene	lbs/hr	0.000000	0.000005	0.000000	0.000002
Dichlorodifluoromethane	lbs/hr	0.000002	0.000002	0.000002	0.000000
Ethanol	lbs/hr	0.000005	0.000051	0.000013	0.000083
Isopropyl Alcohol	lbs/hr	0.000001	0.000001	0.000001	0.000003
Methylene Chloride	lbs/hr	0.000001	0.000002	0.000001	0.000008
n-Hexane	lbs/hr	0.000000	0.000066	0.000002	0.000008
Tertiary butyl Alcohol	lbs/hr	0.000001	0.000001	0.000001	0.000000
Tetrachloroethene	lbs/hr	0.000002	0.000041	0.000002	0.000006
Tetrahydrofuran	lbs/hr	0.000001	0.000001	0.000003	0.000003
Toluene	lbs/hr	0.000001	0.000221	0.000008	0.000016
trans-1,2-Dichloroethene	lbs/hr	0.000000	0.000000	0.000000	0.000003
Trichloroethene	lbs/hr	0.000017	0.000131	0.000012	0.000035
Naphthalene	lbs/hr	0.000000	0.000000	0.000005	0.000003
Trichlorofluoromethane	lbs/hr	0.000001	0.000001	0.000001	0.000003
Total Mass Removal Rate	lbs/hr	0.00004	0.00064	0.00008	0.00027

Notes:

1) Compliance with Air Requirements = Per DEC memorandum issued 2/28/2003, remediation systems that have the potential to discharged greater than 0.5 lb/hr shall require pollution controls.

2) Mass Removal = VOC conc. ug/m3*flow rate (CFM)*(60 mins/hr)/(453,590,000 ug/lb)/(35.32 ft3/m3)

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) **Bold** = Analyte detected in sample

6) Effluent samples were taken from the total effluent of both systems

Table 2 - Summary of Mass Removal
Former Ozone Industries, Inc. Site,
Ozone Park, Queens, NY

	LOCATION	Total Effluent				
	SAMPLING DATE	3/28/2022	7/26/2022	10/25/2023	3/18/2024	2/3/2025
	LAB SAMPLE ID	L2215966-01	L2239902-01	L2363961-01	L2363961-02	CS56414
ANALYTE	Flow Rate (CFM)	671	633	416	695	609
VOCs TO-15	Units					
1,1,1-Trichloroethane	lbs/hr	0.000001	0.000008	0.000003	0.000001	0.000006
1,2,4-Trimethylbenzene	lbs/hr	0.000003	0.000007	0.000003	0.000001	0.000006
1,4-Dichlorobenzene	lbs/hr	0.000002	0.000009	0.000003	0.000002	0.000006
2,2,4-Trimethylpentane	lbs/hr	0.000001	0.000007	0.000002	0.000001	0.000000
2-Butanone (MEK)	lbs/hr	0.000002	0.000011	0.000004	0.000004	0.000006
Acetone	lbs/hr	0.000003	0.000018	0.000006	0.000003	0.000006
Benzene	lbs/hr	0.000001	0.000005	0.000002	0.000001	0.000006
Carbon Disulfide	lbs/hr	0.000001	0.000005	0.000002	0.000001	0.000006
Chloroform	lbs/hr	0.000005	0.000030	0.000011	0.000010	0.000006
Chloromethane	lbs/hr	0.000001	0.000003	0.000001	0.000001	0.000006
cis-1,2-Dichloroethene	lbs/hr	0.000107	0.000451	0.000155	0.000170	0.000046
Dichlorodifluoromethane	lbs/hr	0.000004	0.000007	0.000003	0.000005	0.000006
Ethanol	lbs/hr	0.000012	0.000070	0.000025	0.000031	0.000016
Isopropyl Alcohol	lbs/hr	0.000002	0.000009	0.000003	0.000020	0.000006
Methylene Chloride	lbs/hr	0.000002	0.000013	0.000005	0.000002	0.000017
n-Hexane	lbs/hr	0.000001	0.000005	0.000002	0.000001	0.000006
Tertiary butyl Alcohol	lbs/hr	0.000002	0.000011	0.000004	0.000008	0.000000
Tetrachloroethene	lbs/hr	0.000002	0.000030	0.000004	0.000002	0.000001
Tetrahydrofuran	lbs/hr	0.000004	0.000011	0.000004	0.000002	0.000006
Toluene	lbs/hr	0.000003	0.000016	0.000002	0.000001	0.000006
trans-1,2-Dichloroethene	lbs/hr	0.000001	0.000006	0.000002	0.000001	0.000006
Trichloroethene	lbs/hr	0.000001	0.006713	0.002150	0.001538	0.000867
Naphthalene	lbs/hr	0.000000	0.000000	0.000000	0.000005	0.000006
Trichlorofluoromethane	lbs/hr	0.000001	0.000008	0.000003	0.000001	0.000006
Total Mass Removal Rate	lbs/hr	0.00016	0.00745	0.00240	0.00181	0.00104

Notes:

1) Compliance with Air Requirements = Per DEC memorandum issued 2/28/2003, remediation systems that have the potential to discharged greater than 0.5 lb/hr shall require pollution controls.

2) Mass Removal = VOC conc. ug/m3*flow rate (CFM)*(60 mins/hr)/(453,590,000 ug/lb)/(35.32 ft3/m3)

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) **Bold** = Analyte detected in sample

6) Effluent samples were taken from the total effluent of both systems

Table 3
Ambient Air Sample Results (2017 - August 2024)
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Chemical Concentration (ug/m3)				
			VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
BAY-8-INDOOR	BAY 8 - INDOOR AIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.134	0.481
BAY-8-INDOOR	BAY 8-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	1.10	15.5
BAY-8-INDOOR	BAY 8-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.645	5.95
BAY-8-INDOOR	BAY 8-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.80
BAY-8-INDOOR	BAY8A-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	0.253	1.64
BAY-8-INDOOR	BAY8_INDOOR AIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.868
BAY-8-INDOOR	BAY8B_INDOOR AIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.188	0.861
BAY-8-INDOOR	BAY8B_INDOOR AIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.957	27.1
BAY-8-INDOOR	BAY 8B_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.692
BAY-8-INDOOR	BAY-8-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	1.90	1.42
BAY-8-OUTDOOR	BAY 8-OUTDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	2.65	17.2
BAY-8-OUTDOOR	BAY 8-OUTDOOR AIR_041718	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	5.45
BAY-8-OUTDOOR	100THSTREET-OUTDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.46
BAY-9-INDOOR	BAY 9 - INDOOR AIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.226	0.258
BAY-9-INDOOR	BAY 9-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	1.32	26.9
BAY-9-INDOOR	BAY 9-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	1.66	11.9
BAY-9-INDOOR	BAY 9-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	27.6
BAY-9-INDOOR	BAY 9-INDOOR AIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	2.25
BAY-9-INDOOR	BAY 9-INDOOR AIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.269	0.705
BAY-9-INDOOR	BAY 9_INDOOR AIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.752	6.85
BAY-9-INDOOR	BAY 9_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.124	4.17
BAY-10-INDOOR	BAY 10-INDOORAIR-061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.210
BAY-10-INDOOR	BAY 10-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	1.11	27.5
BAY-10-INDOOR	BAY 10-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.44
BAY-10-INDOOR	BAY 10-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.156	22.0
BAY-10-INDOOR	BAY10-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.40
BAY-10-INDOOR	BAY10-INDOORAIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.71
BAY-10-INDOOR	BAY10-INDOORAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.427
BAY-10-INDOOR	BAY10_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	3.71	5.45
BAY-10-INDOOR	BAY 10_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.709	4.95
BAY-10-INDOOR	BAY-10-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	1.60	2.26
BAY-11-INDOOR	BAY 11 - INDOORAIR-061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.224
BAY-11-INDOOR	BAY 11-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.871	15.9
BAY-11-INDOOR	BAY 11-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	1.12	6.43
BAY-11-INDOOR	BAY 11-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.129	18.6
BAY-11-INDOOR	BAY11-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.45
BAY-11-INDOOR	BAY11_INDOORAIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	2.45
BAY-11-INDOOR	BAY11_INDOORAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.107	0.373
BAY-11-INDOOR	BAY11_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.441	5.49
BAY-11-INDOOR	BAY 11_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.150	8.88
BAY-11-INDOOR	BAY-11-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	1.50	2.25
BAY-12-INDOOR	BAY12 - INDOORAIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.285
BAY-12-INDOOR	BAY12_INDOOR AIR_101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.752	13.9
BAY-12-INDOOR	BAY12_INDOOR AIR_01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	1.28	7.19
BAY-12-INDOOR	BAY12_INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.107	3.87
BAY-12-INDOOR	BAY12_INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.888
BAY-12-INDOOR	BAY12_INDOORAIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.970
BAY-12-INDOOR	BAY12_INDOORAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.46
BAY-12-INDOOR	BAY12_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.226	2.60
BAY-12-INDOOR	BAY 12_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	2.68
BAY-12-INDOOR	BAY-12-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	0.623	1.5
BAY-13-INDOOR	BAY13 - INDOORAIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.167	0.251
BAY-13-INDOOR	BAY13-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.559	10.0
BAY-13-INDOOR	BAY13-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	1.26	5.95
BAY-13-INDOOR	BAY13-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	12.6
BAY-13-INDOOR	BAY13-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.59
BAY-13-INDOOR	BAY13-INDOORAIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	3.72
BAY-13-INDOOR	BAY13-INDOORAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.692
BAY-13-INDOOR	BAY13_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.392	2.33
BAY-13-INDOOR	BAY 13_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.290	12.1
BAY-13-INDOOR	BAY-13-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	1.66	2.19
BAY-14-INDOOR	BAY14 - INDOORAIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.172	0.217
BAY-14-INDOOR	BAY14-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.554	6.98
BAY-14-INDOOR	BAY14-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.903	3.96
BAY-14-INDOOR	BAY14-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.279	29.4
BAY-14-INDOOR	BAY14-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.59
BAY-14-INDOOR	BAY14_INDOORAIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	5.00
BAY-14-INDOOR	BAY14_INDOORAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.597
BAY-14-INDOOR	BAY14_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.425	1.79
BAY-14-INDOOR	BAY 14_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.188	2.39
BAY-14-INDOOR	BAY-14-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	1.32	2.31
BAY-14-OUTDOOR	BAY 14 - OUTDOORAIR - 061517	06/15/2017	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	0.244
BAY-14-OUTDOOR	BAY 14-OUTDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	0.554	12.2
BAY-14-OUTDOOR	BAY14-OUTDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.693	4.79
BAY-14-OUTDOOR	BAY 14-OUTDOOR AIR_041718	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	3.26
BAY-14-OUTDOOR	99THSTREET-OUTDOOR AIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	0.230	0.936
BAY-14-OUTDOOR	BAY14_OUTDOOR AIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.051 U	< 0.107 U	1.29
BAY-14-OUTDOOR	BAY14_ODAIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107	1.45
BAY-14-OUTDOOR	BAY14_OUTDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.140	3.86
BAY-14-OUTDOOR	BAY 14_OUTDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.215	1.38
BAY-14-OUTDOOR	OUTDOOR AIR-BAY-14	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.52
BAY-15-INDOOR	BAY15 - INDOORAIR - 061517	06/15/2017	< 0.112 U	< 0.174 U	< 0.174 U	< 0.236 U	0.313
BAY-15-INDOOR	BAY15-INDOOR AIR-101117	10/11/2017	< 0.051 U	< 0.079 U	< 0.079 U	< 0.079 U	12.1
BAY-15-INDOOR	BAY15-INDOOR AIR-01-11-18	01/11/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.677	3.85
BAY-15-INDOOR	BAY15-INDOOR AIR_041918	04/19/2018	< 0.051 U	< 0.079 U	< 0.079 U	0.161	40.8
BAY-15-INDOOR	BAY15_INDOOR AIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.18
BAY-15-INDOOR	BAY15_INDOOR AIR_022020	2/20/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.139	1.81
BAY-15-INDOOR	BAY15_INDOOR AIR_051420	5/14/2020	< 0.051 U	< 0.079 U	< 0.079 U	< 0.107 U	1.31
BAY-15-INDOOR	BAY15_INDOORAIR_082720	8/27/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.344	1.33
BAY-15-INDOOR	BAY 15_INDOORAIR_111220	11/12/2020	< 0.051 U	< 0.079 U	< 0.079 U	0.731	15.5
BAY-15-INDOOR	BAY-15-IA	8/20/2024	< 0.051 U	< 0.079 U	< 0.079 U	0.226	0.97

Notes:

ug/m3 = micrograms per cubic meter

TRANS-1,2-DICHLOROETHENE (DCE)

Concentration in **BOLD** are detected.

U = not detected at or above reporting limit. Value shown in reporting limit.

CIS-1,2-DICHLOROETHENE (DCE)

Table 4
Summary of Soil-Gas Sampling Results
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Depth (ft)	Matrix	Chemical Concentration (ug/m3)				
					VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
BAY-8	SG-1_AIR	07/19/2005	4	GS	< 13 U	100	5,500 E	60,000 E	1,400
BAY-8	SG-1-2006	08/09/2006	4	GS	< 12.8 U	159	46,600	675,000	5,000
BAY-9	SG-2_AIR	07/20/2005	8	GS	< 13 U	100	5,400 E	40,000 E	620
BAY-9	SG-2-2006	08/09/2006	8	GS	< 1990 U	< 3080 U	3910	104,000	< 5280 U
BAY-9	MP-4S-061517	06/15/2017	4	GS	< 0.511 U	< 0.793 U	1.31	53.7	4.41
BAY-9	BAY 9-MP4S-101117	10/11/2017	4	GS	< 0.511 U	< 0.793 U	0.952	33.8	11.3
BAY-9	BAY 9-MP4S-011118	01/11/2018	4	GS	< 0.511 U	< 0.793 U	1.92	30.4	7.59
BAY-9	BAY 9-MP-4S_041918	04/19/2018	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	7.53
BAY-9	BAY 9-MP4S_0511520	5/15/2020	4	GS	< 0.511 U	< 0.793 U	13.3	521	29.6
BAY-9	MP4S-MP4S-082820	8/28/2020	4	GS	< 2.56 U	< 3.96 U	54.7	1,980	256
BAY-9	BAY 9_MP4S_111320	11/13/2020	4	GS	< 0.051 U	0.206	3.89	105	5.38
BAY-9	BAY 9_MP4D_111320	11/13/2020	8	GS	< 0.670 U	1.56	48.8	2,780	183
BAY-9	MP-6S-SS	8/20/2024	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	8.06	2.92
BAY-10	SG-3_AIR	07/20/2005	4	GS	< 13 U	170	7,900 E	41,000 E	630
BAY-10	SG-3-2006	08/08/2006	4	GS	< 2240 U	< 3470 U	6,520	128,000	< 5940 U
BAY-10	BAY 10_MP5S_111320	11/13/2020	4	GS	< 0.051 U	0.492	6.58	72.0	2.34
BAY-11	SG-4_AIR	07/22/2005	4	GS	< 13 U	400	18,000 E	75,000 E	2,400 E
BAY-11	SG-4-2006	08/08/2006	4	GS	< 2240 U	< 3480 U	23,800	346,000	8,300
BAY-11	MP-8S-061517	06/15/2017	4	GS	< 0.511 U	< 0.793 U	6.03	114	7.19
BAY-11	BAY 11-MP8S-101117	10/11/2017	4	GS	< 0.511 U	< 0.793 U	6.38	104	10.0
BAY-11	BAY 11-MP8S-011118	01/11/2018	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	3.42
BAY-11	BAY 11-MP8S-011118	01/11/2018	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	6.98
BAY-11	BAY 11-MP-8S_041918	04/19/2018	4	GS	< 0.511 U	< 0.793 U	2.03	10.4	< 1.36 U
BAY-11	BAY 11-MP-8S-SOILGAS_122319	12/23/2019	4	GS	< 0.511 U	< 0.793 U	8.17	71.5	4.46
BAY-11	BAY 11-MP-8S-051520	5/15/2020	4	GS	< 0.511 U	< 0.793 U	230	3,670	180
BAY-11	BAY11-MP8S-082820	8/28/2020	4	GS	< 5.11 U	< 7.93 U	27.4	287	12.5
BAY-11	BAY 11_MP8S_111320	11/13/2020	4	GS	< 0.102 U	0.896	184	4,530	159
BAY-11	BAY 11_MP8D_111320	11/13/2020	8	GS	< 1.04 U	7.53	1.64	1.64	4.44
BAY-11	MP-8S-SS	8/20/2024	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	1.64	4.44
BAY-12	SG-5_AIR	07/25/2005	4	GS	< 26 U	2,500	54,000 E	130,000 E	2,300
BAY-12	SS-5-2006	08/14/2006	4	GS	< 63.8 U	1,240	17,800	135,000	11,000
BAY-12	BAY 12_MP9S_111320	11/13/2020	4	GS	< 0.051 U	1.16	10.5	172	7.26
BAY-12	BAY 12_MP9D_111320	11/13/2020	8	GS	< 1.09 U	7.02	58.7	4,810	266

Table 4
Summary of Soil-Gas Sampling Results
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Depth (ft)	Matrix	Chemical Concentration (ug/m3)				
					VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
BAY-13	SG-6_AIR	07/25/2005	4	GS	< 13 U	600	29,000 E	69,000 E	1,900 E
BAY-13	SS-6-2006	08/11/2006	4	GS	< 1100 U	< 1710 U	29,500	363,000	< 2930 U
BAY-13	MP-12S-061517	06/15/2017	4	GS	< 0.511 U	0.856	6.90	164	7.32
					< 0.511 U	< 0.793 U	5.04	137	6.27
BAY-13	BAY 13-MP12S-101117	10/11/2017	4	GS					
					< 0.511 U	< 0.793 U	< 0.793 U	11.2	< 1.36 U
BAY-13	BAY 13-MP12S-011118	01/11/2018	4	GS					
	BAY13-MP-12S-SOILGAS_122319	12/23/2019	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	35.5	1.47
BAY-13	BAY13-MP-12S-051520	5/15/2020	4	GS	<3.66 U	<5.67 U	214	2,600	76.6
BAY-13	BAY 13-MP12S-082820	8/28/2020	4	GS	<8.51 U	<13.2 U	213	4,200	159
BAY-13	BAY 13_MP12S_111320	11/13/2020	4	GS	< 0.064 U	0.342	6.70	202	11.1
BAY-13	MP-12S-SS	8/20/2024	4	GS	< 0.675 U	< 1.05 U	< 1.05 U	2.44	4.92
BAY-14	SS-14	08/11/2005	4	GS	< 64 U	< 99 U	< 99 U	1,500	< 170 U
BAY-14	SS-14-2006	08/10/2006	4	GS	< 208 U	< 322 U	3420	52,700	< 551 U
BAY-14	BAY 14_MP14S_111320	11/13/2020	4	GS	< 0.051 U	0.282	2.14	125	6.73
BAY-15	SG-8_AIR	07/26/2005	4	GS	< 26 U	40	3,200	33,000 E	330
BAY-15	SS-8-2006	08/10/2006	4	GS	< 2020 U	< 3130 U	8,910	133,000	< 5350 U
BAY-15	MP-15S-061517	06/15/2017	4	GS	< 0.511 U	< 0.793 U	< 0.793 U	6.61	< 1.36 U
					< 0.511 U	< 0.793 U	< 0.793 U	20.5	4.73
BAY-15	BAY 15-MP15S-101117	10/11/2017	4	GS					
					< 0.511 U	< 0.793 U	< 0.793 U	20.9	3.99
BAY-15	BAY 15-MP15S-101117-2	10/11/2017	4	GS					
					< 0.511 U	< 0.793 U	< 0.793 U	7.74	< 1.36 U
BAY-15	BAY 15-MP15S-011118	01/11/2018	4	GS					
					< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	4.38
BAY-15	BAY 15-MP15S_041918	04/19/2018	4	GS					
	BAY15-MP-15S-SOILGAS_122319	12/23/2019	4	GS	< 0.511 U	< 0.793 U	1.03	3.12	< 1.36 U
BAY-15	BAY15-MP15S-051520	5/15/2020	4	GS	<0.511 U	<0.793 U	1.9	57	7.26
BAY-15	BAY15-MP15S-082820	8/28/2020	4	GS	<3.20 U	<4.96 U	88	2370	141
BAY-15	BAY 15_MP15S_111320	11/13/2020	4	GS	< 0.051 U	0.182	2.29	129	22.0
BAY-15	BAY 15_MP15D_111320	11/13/2020	8	GS	< 0.930 U	2.53	103	4,200	224
BAY-15	MP-15S-SS	8/20/2024	4	GS	<0.511 U	<0.793 U	<0.793 U	1.37	3.75

Table 4
Summary of Soil-Gas Sampling Results
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Depth (ft)	Matrix	Chemical Concentration (ug/m3)				
					VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
LOC-22	SG-22	07/17/2006	4.5	GS	< 2.55 U	<3.96 U	< 3.96 U	252	10.3
LOC-22	LOC-22-062217	06/22/2017	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	76.3	7.05
LOC-22	LOC-22-020719	02/07/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	17.8	26.3
LOC-22	LOC-22-SG-052319	05/23/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	28.8	7.05
LOC-22	LOC-22-SG-082019	08/20/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	104	10.4
LOC-22	LOC-22-SG-112019	11/20/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	17.9	1.43
LOC-22	LOC-22-SG-021920	2/19/2020	8	GS	<0.511 U	<0.793 U	<0.793 U	44.1	2.62
LOC-22	LOC-22-SG-051320	5/13/2020	8	GS	<2.32 U	<3.60 U	<3.60 U	48.3	15.1
LOC-22	LOC-22G-082620	8/26/2020	8	GS	<29.4 U	51.5	2,070	19,600	387
LOC-22	LOC-22-SG-110520	11/5/2020	8	GS	< 0.051 U	< 0.079 U	< 0.079 U	222	13.0
LOC-24	SG-24	07/13/2006	5	GS	< 31.9 U	< 49.5 U	< 49.5 U	22,100	367
LOC-24	LOC-24-062217	06/22/2017	8	GS	< 0.511 U	< 0.793 U	1.11	500	42.0
LOC-24	LOC-24-020819	02/08/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	45.3	64.5
LOC-24	LOC-24-SG-052219	05/22/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	84.9	25.9
LOC-24	LOC-24-SG-082019	08/21/2019	8	GS	< 0.511 U	< 0.793 U	0.987	405	65.0
LOC-24	LOC-24-SG-112119	11/21/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	44.3	5.43
LOC-24	LOC-24-SG-021920	2/19/2020	8	GS	<0.511 U	<0.793 U	<0.793 U	70.4	50.0
LOC-24	LOC-24-SG-051320	5/13/2020	8	GS	<1.28 U	<1.98 U	<1.98 U	137	44.0
LOC-24	LOC-24-SG-082620	8/26/2020	8	GS	<0.946 U	<1.47 U	<1.47 U	688	242
LOC-24	LOC-24-SG-110520	11/5/2020	8	GS	< 0.128 U	< 0.198 U	0.833	466	278
LOC-25	SG-25	07/17/2006	4	GS	< 31.9 U	< 49.5 U	< 49.5 U	17,800	214
LOC-25	LOC-25-062217	06/22/2017	8	GS	< 2.56 U	< 3.96 U	35.6	1390	597
LOC-25	LOC-25-020719	02/07/2019	8	GS	< 0.511 U	< 0.793 U	1.36	69.9	11.2
LOC-25	LOC-25-SG-052319	05/23/2019	8	GS	< 0.511 U	< 0.793 U	7.14	288	95.6
LOC-25	LOC-25-SG-082019	08/20/2019	8	GS	< 0.511 U	1.11	5.55	236	29.2
LOC-25	LOC-25-SG-112019	11/20/2019	8	GS	< 0.511 U	< 0.793 U	1.47	76.9	2.49
LOC-25	LOC-25-SG-021920	2/19/2020	8	GS	< 0.511 U	< 0.793 U	3.43	83.3	13.8
LOC-25	LOC-25-SG-051320	5/13/2020	8	GS	<0.511 U	<0.793 U	2.45	317	24.3
LOC-25	LOC-25-SG-082620	8/26/2020	8	GS	<1.71 U	<2.64 U	5.15	1,250	292
LOC-25	LOC-25-SG-110520	11/5/2020	8	GS	< 0.256 U	0.733	2.52	838	72.6

Table 4
Summary of Soil-Gas Sampling Results
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Depth (ft)	Matrix	Chemical Concentration (ug/m3)				
					VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
LOC-26	SG-26	07/13/2006	4	GS	< 31.9 U	< 49.5 U	226	32200	761
LOC-26	LOC-26-062217	06/22/2017	8	GS	< 2.56 U	< 3.96 U	5.87	1500	72.6
LOC-26	LOC-26-020819	02/08/2019	8	GS	< 0.511 U	< 0.793 U	1.73	123	93.6
LOC-26	LOC-26-SG-052219	05/22/2019	8	GS	< 0.511 U	< 0.793 U	1.67	147	27.4
LOC-26	LOC-26-SG-082019	08/21/2019	8	GS	< 1.02 U	< 1.59 U	4.84	763	64.3
LOC-26	LOC-26-SG-112119	11/21/2019	8	GS	< 0.511 U	< 0.793 U	1.52	224	7.12
LOC-26	LOC-26-SG-021920	2/19/2020	8	GS	< 0.511 U	< 0.793 U	1.32	189	21.8
LOC-26	LOC-26-SG-051320	5/13/2020	8	GS	<1.28 U	<1.28 U	2.87	376	28.5
LOC-26	LOC-26-SG-082620	8/26/2020	8	GS	<2.84 U	<4.40 U	7.26	1,900	164
LOC-26	LOC-26-SG-110520	11/5/2020	8	GS	< 0.256 U	< 0.396 U	4.36	1680	191
LOC-27	SG-27	07/17/2006	4	GS	< 31.9 U	86.9	5,890	49,300	849
LOC-27	LOC-27-062217	06/22/2017	8	GS	< 24.8 U	< 38.5 U	1,750	13,300	257
LOC-27	LOC-27-020719	02/07/2019	8	GS	< 0.511 U	2.65	101	464	22.7
LOC-27	LOC-27	06/08/2019	8	GS	< 1.28 U	4.04	263	1,320	24.3
LOC-27	LOC-27-SG-082019	08/20/2019	8	GS	< 11.3 U	23.2	1,470	10,700	66.2
LOC-27	LOC-27-SG-112019	11/20/2019	8	GS	< 2.56 U	15.1	428	2,120	9.22
LOC-27	LOC-27-SG-021920	2/19/2020	8	GS	<0.984 U	8.17	209	623	11.9
LOC-27	LOC-27-SG-051320	5/13/2020	8	GS	<2.56	20.9	468	1,910	29.3
LOC-27	LOC-27-SG-082620	8/26/2020	8	GS	<0.511	<0.793	<0.793	126	11.3
LOC-27	LOC-27-SG-110520	11/5/2020	8	GS	< 3.25 U	45.2	1290	10900	340
LOC-27B	LOC-27B-062217	06/22/2017	8	GS	< 5.11 U	< 7.93 U	55.5	3,830	27.9
LOC-27B	LOC-27B-020719	02/07/2019	8	GS	< 0.511 U	< 0.793 U	13.2	564	8.54
LOC-27B	LOC-27B-SG-052319	05/23/2019	8	GS	< 0.511 U	< 0.793 U	14.9	512	5.53
LOC-27B	LOC-27B-SG-082019	08/20/2019	8	GS	< 5.11 U	< 7.93 U	42.8	4,430	33.2
LOC-27B	LOC-27B-SG-112019	11/20/2019	8	GS	< 1.02 U	< 1.59 U	15.3	897	5.67
LOC-27B	LOC-27B-SG-021920	2/19/2020	8	GS	<1.42 U	<2.20 U	19.0	924	18.3
LOC-27B	LOC-27B-SG-051320	5/13/2020	8	GS	<0.851	<1.32	<1.32	36.3	9.15
LOC-27B	LOC-27B-SG-082620	8/26/2020	8	GS	<6.39 U	<9.91 U	55.9	3,540	70.5
LOC-27B	LOC-27B-SG-110520	11/5/2020	8	GS	< 0.511 U	1.27	47.6	4320	121

Table 4
Summary of Soil-Gas Sampling Results
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Date	Depth (ft)	Matrix	Chemical Concentration (ug/m3)				
					VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
LOC-28	SG-28	07/13/2006	4	GS	< 31.9 U	< 49.5 U	822	38,700	1,350
LOC-28	LOC-28-062217	06/22/2017	8	GS	< 1.71 U	< 2.64 U	< 2.64 U	1370	73.2
LOC-28	LOC-28-020819	02/08/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	34.2	4.53
LOC-28	LOC-28-SG-052219	05/22/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	130	15.1
LOC-28	LOC-28-SG-082019	08/21/2019	8	GS	< 0.851 U	< 1.32 U	< 1.32 U	715	35.7
LOC-28	LOC-28-SG-112119	11/21/2019	8	GS	< 0.511 U	< 0.793 U	< 0.793 U	118	1.97
LOC-28	LOC-28-SG-021920	2/19/2020	8	GS	< 0.511 U	1.15	< 0.793 U	177	12.1
LOC-28	LOC-28-SG-051320	5/13/2020	8	GS	<0.851 U	<1.32 U	6.34	482	25.8
LOC-28	LOC-28-SG-082620	8/26/2020	8	GS	<1.83 U	<2.83 U	<2.83 U	1350	99.7
LOC-28	LOC-28-SG-110520	11/5/2020	8	GS	< 0.366 U	< 0.567 U	0.936	1050	113

Notes:

ug/m3 = micrograms per cubic meter

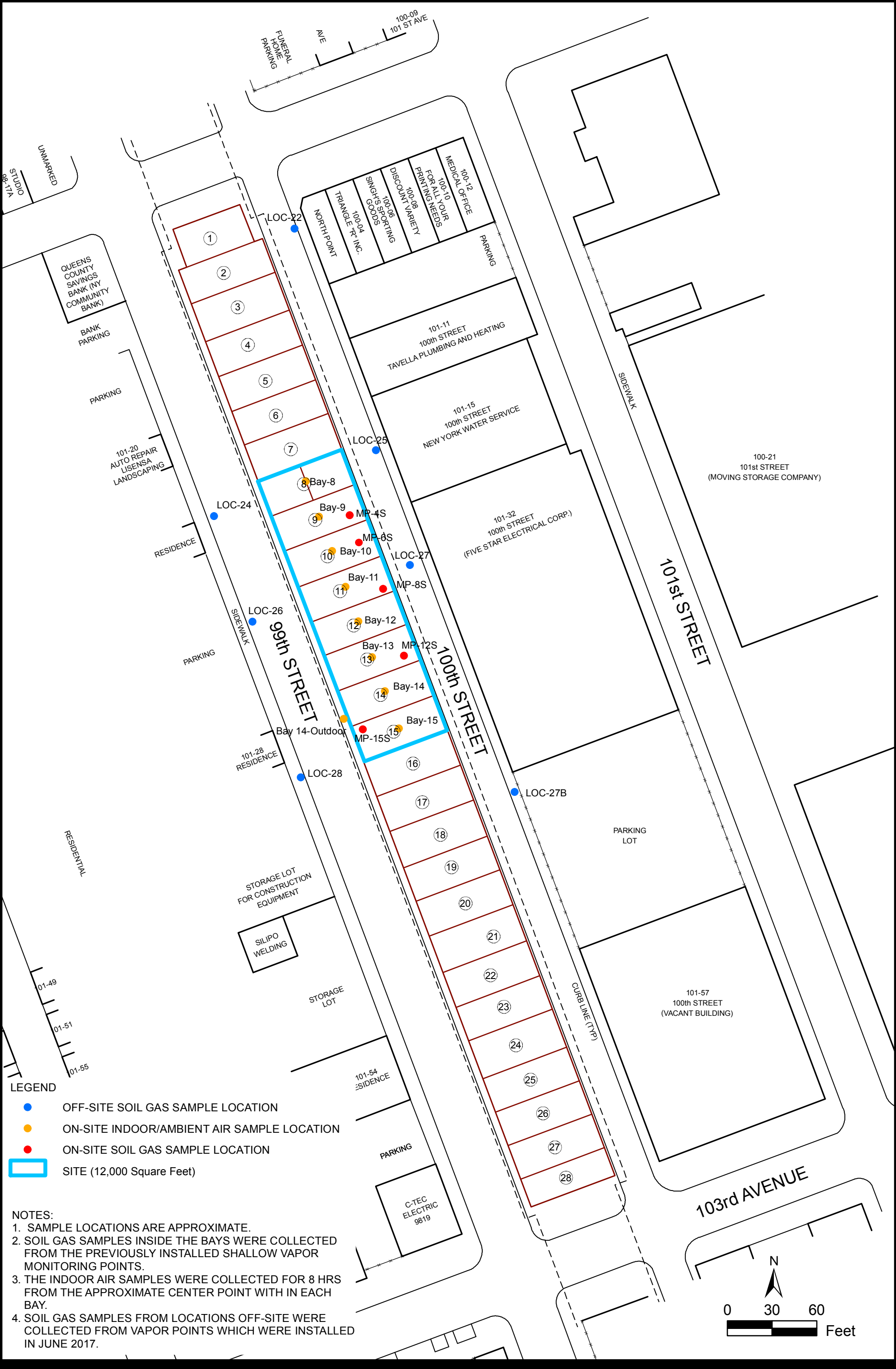
TRANS-1,2-DICHLOROETHENE (DCE)

Concentration in **BOLD** are detected.

U = not detected at or above reporting limit. Value shown in reporting limit.

CIS-1,2-DICHLOROETHENE (DCE)

FIGURES



SITE and LOCATION OF SAMPLING POINTS FORMER OZONE INDUSTRIES, INC. OZONE PARK, NEW YORK, NY
Project No.: 60527976.1 Date: 2017-09-18

Appendix A

System Summary Tables

Monitoring Point Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT	05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
TYPE OF SYSTEM CHECK	Full	Full	Full	Full	Full
FIELD TECHNICIAN	CG	CG	CG	CG	CG
Monitoring Well Network					
Pressure ("H ₂ O)					
MP-1S	0.50	0.10	0.00	0.00	0.00
MP-1D	0.20	0.10	0.00	0.00	0.00
MP-2S	0.40	0.50	0.00	0.00	0.00
MP-2D	0.10	0.30	0.30	0.30	0.30
MP-3S	NM	0.20	0.00	0.00	0.00
MP-3D	NM	0.30	0.00	0.00	0.00
MP-4S	NM	0.20	0.00	0.00	0.00
MP-4D	NM	0.30	0.00	0.00	0.00
MP-5S	0.40	0.10	0.00	0.00	0.00
MP-5D	0.20	0.20	0.00	0.00	0.00
MP-6S	0.20	0.20	0.00	0.00	0.00
MP-6D	0.10	0.20	0.00	0.00	0.00
MP-7S	0.60	0.20	0.00	0.00	0.00
MP-7D	0.20	0.30	0.00	0.00	0.00
MP-8S	0.30	0.00	0.00	0.00	0.00
MP-8D	0.10	0.10	0.00	0.00	0.00
MP-9S	0.40	0.30	0.00	0.00	0.00
MP-9M	0.20	0.70	0.60	0.70	0.60
MP-9D	0.00	0.80	0.70	0.80	0.70
MP-10S	0.30	0.40	0.00	0.00	0.00
MP-10M	0.20	0.40	0.70	0.70	0.70
MP-10D	0.10	0.90	0.90	0.90	0.90
MP-11S	0.20	0.20	0.00	0.00	0.00
MP-11D	0.10	0.10	0.00	0.00	0.00
MP-12S	0.30	0.30	0.00	0.00	0.00
MP-12D	0.10	0.10	0.00	0.00	0.00
MP-13S	0.30	0.20	0.00	0.00	0.00
MP-13D	0.10	0.50	0.00	0.00	0.00
MP-14S	0.60	0.20	0.00	0.00	0.00
MP-14D	0.20	0.60	0.00	0.00	0.00
MP-15S	0.40	0.20	0.00	0.00	0.00
MP-15D	0.10	0.60	0.00	0.00	0.00
MP-16S	0.30	0.20	0.00	0.00	0.00
MP-16D	0.00	0.40	0.00	0.00	0.00

Notes

NM - Not Measureable (Due to faulty monitoring equipment, inaccessability, etc.)

"H₂O - Inches of water column

SSD System Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT		05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
SSD System Status (Up / Down / Off)						
	Status On Arrival	Up	Up	Up	Up	Up
	Overall Up Time Since Restart	87%	80%	81%	86%	86%
System Operation Status Between O&M Events						
	On Arrival					
	% Up Time	100%	100%	100%	100%	100%
Sub Slab Depression Blower (B-2)						
	Days Between O&M Events	56	99	92	75	64
	Days Of Operations	791	1056	883	1131	947
SSD Blower Operation						
	Hour Meter (hrs)	45,620.3	45,621.3	47,830.3	50,716.5	52,250.8
	Hours Between Events	1,341.7	1.0	2,209.0	2,886.2	1,534.3
	Time Between Events (hrs)	1,347.0	2,377.0	2,209.0	1,796.0	1,534.0
	Time Since Start Up (hrs)	27,554.8	29,931.8	32,140.8	33,936.8	35,470.8
	VFD Frequency (Hz)	59.9	59.9	59.9	59.9	59.9
	VFD Load (Amps)	16.0	16.0	16.0	16.4	16.1
Pressure ("H ₂ O)						
	SSD-1	NM	NM	NM	-2.2	-2.1
	SSD-2	NM	NM	NM	-3.2	-3.1
	SSD-3	NM	NM	NM	-3.6	-3.6
	SSD-4	NM	NM	NM	-4.0	-4.0
	SSD-5	NM	NM	NM	-4.0	-4.0
	SSD-6	NM	NM	NM	-4.0	-4.0
	SSD-7	NM	NM	NM	-4.0	-4.0
	SSD-8	NM	NM	NM	-3.9	-3.8
Soil Vapor Velocity (ft/min)						
	SSD-1	661	661	823	3,293	3,055
	SSD-2	717	717	597	314	400
	SSD-3	906	906	1,163	2,994	3,015
	SSD-4	293	293	349	2,759	2,773
	SSD-5	322	322	521	2,399	2,389
	SSD-6	260	260	404	2,105	2,607
	SSD-7	998	998	1,380	2,043	2,061
	SSD-8	792	792	628	1,911	1,988
Soil Vapor Flow Rate (ft ³ /min)						
	SSD-1	14.42	14.42	17.96	71.84	66.65
	SSD-2	15.64	15.64	13.02	6.84	8.72
	SSD-3	19.77	19.77	25.37	65.32	65.78
	SSD-4	6.39	6.39	7.61	60.19	60.50
	SSD-5	7.03	7.03	11.37	52.34	52.12
	SSD-6	5.67	5.67	8.81	45.92	56.88
	SSD-7	21.78	21.78	30.11	44.57	44.96
	SSD-8	17.29	17.29	13.70	41.69	43.37
VOCs (ppm _v)						
	SSD-1	0.0	0.0	0.0	0.0	0.0
	SSD-2	0.0	0.0	0.0	0.0	0.0
	SSD-3	0.0	0.0	0.0	0.0	0.0
	SSD-4	0.0	0.0	0.0	0.0	0.0
	SSD-5	0.0	0.0	0.0	0.0	0.0
	SSD-6	0.0	0.0	0.0	0.0	0.0
	SSD-7	0.0	0.0	0.0	0.0	0.0
	SSD-8	0.0	0.0	0.0	0.0	0.0
SSD Sample Ports						
	VOCs (ppm _v)					
	SSD-SP01	0.0	0.0	0.0	0.2	0.1
	SSD-SP04	0.0	0.0	0.0	0.1	0.0

- Notes:
- 1) Soil Vapor Velocity taken form individual SSD Wells is from a 2.0-inch diameter pipe.
 - 2) Soil Vapor Velocity taken with pitot tube assuming soil vapor temp of 65 deg F, from SSD SP-03, which is from a 4.0" diameter pipe.
 - 3) Soil Vapor Velocity taken form SSD-SP-04 is from a 3.0-inch diameter pipe.
 - 4) Dilution is calculated by subtracting Blower Inlet and Discharge Soil Vapor Flow Rate.
 - 5) NM - Not Measureable (Due to faulty monitoring equipment, inaccessability, etc.)

SVE System Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT		05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
SVE System Status (Up / Down / Off)						
	Status On Arrival	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	100%	100%	100%	100%	100%
System Status Between O&M Events						
	On Arrival					
	% Up Time	100%	100%	100%	100%	100%
Soil Vapor Extraction Blower (B-1)						
	Days Between O&M Events	56	99	92	75	64
	Days Of Operations	1062	1161	1253	1328	1392
SVE Blower Operation						
	Hour Meter (hrs)	33,851.0	35,787.0	37,996.0	38,977.0	40,142.6
	Hours Between Events	1,379.2	1,936.0	2,209.0	981.0	1,165.6
	Time Between Events (hrs)	1,347.0	2,372.0	2,209.0	1,801.0	1,534.0
	Time Since Restart (hrs)	25,492.0	27,864.0	30,073.0	31,874.0	33,408.0
	VFD Frequency (Hz)	60.0	60.0	60.0	60.0	60.0
	VFD Load (Amps)	53.7	52.1	52.1	52.1	54.3
Vacuum ("H ₂ O)						
	SVE-8	NM	NM	NM	NM	NM
	SVE-7	NM	NM	NM	NM	NM
	SVE-11	NM	-2.6	-2.6	-2.8	-2.9
	SVE-10	NM	-2.6	-2.6	-2.8	-2.9
	SVE-15	NM	-4.1	-4.0	-5.2	-5.1
	SVE-13	NM	-3.6	-3.7	-4.0	-4.1
	SVE-14	NM	-7.6	-7.9	-8.4	-8.5
	SVE-16	NM	-2.8	-3.1	-3.4	-3.5
	SVE-18	NM	-2.5	-2.2	-3.0	-3.0
	SVE-17	NM	-1.3	-1.2	-1.7	-1.8
	SVE-12	NM	-3.6	-1.9	-5.2	-5.2
	SVE-9	NM	-7.6	-7.8	-8.5	-8.5
	SVE-21	NM	-6.6	-6.6	-7.6	-7.5
	SVE-3	NM	-2.7	-2.8	-3.5	-0.4
	SVE-1	NM	-8.8	-8.9	-10.1	-10.0
	SVE-4	NM	NM	NM	NM	NM
	SVE-2	NM	NM	NM	NM	NM
	SVE-5	NM	NM	NM	NM	NM
	SVE-20	NM	-8.0	-7.8	-9.3	-9.4
	SVE-19	NM	-1.6	-1.8	-2.5	-2.5
	SVE-23	NM	-1.9	-2.1	-1.5	-1.6
	SVE-22	NM	-1.1	-1.0	-0.7	-0.8
	SVE-25	NM	NM	NM	NM	NM
	SVE-26	NM	NM	NM	NM	NM
	SVE-27	NM	NM	NM	NM	NM
	SVE-24	NM	NM	NM	NM	NM
	SVE-6	NM	NM	NM	NM	NM

SVE System Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT		05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
SVE System Status (Up / Down / Off)						
	Status On Arrival	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	100%	100%	100%	100%	100%
	Soil Vapor Velocity (ft/min)					
	SVE-8	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA
	SVE-11	1445	1220	1428	1692	1689
	SVE-10	378.3	597	776	1702	1716.3
	SVE-15	1435	1550	1582	1650	1697
	SVE-13	286.1	2330	1472	2293	2311.4
	SVE-14	1711	1132	1296	1351	1362
	SVE-16	1135	1240	1217	1392	1387
	SVE-18	496.8	609	610	638	651.3
	SVE-17	897.1	1736	1525	1498	1515.8
	SVE-12	852.4	987	1130	2873	2933.2
	SVE-9	426.6	599	610	3264	3187.6
	SVE-21	1070.9	1150	1244	1324	1350
	SVE-3	580.4	607	519	432	498.7
	SVE-1	NA	NA	NA	NA	NA
	SVE-4	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA
	SVE-20	2836	2769	2546	2815	2871.2
	SVE-19	940	1110	1102	912	988.1
	SVE-23	600	887	754	678	682.1
	SVE-22	294.4	351	412	461	470.5
	SVE-25	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA

SVE System Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT		05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
SVE System Status (Up / Down / Off)						
	Status On Arrival	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	100%	100%	100%	100%	100%
	Soil Vapor Flow Rate (ft ³ /min)					
	SVE-8	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA
	SVE-11	31.5	26.6	31.2	36.9	36.8
	SVE-10	8.3	13.0	16.9	37.1	37.4
	SVE-15	31.3	33.8	34.5	36.0	37.0
	SVE-13	6.2	50.8	32.1	50.0	50.4
	SVE-14	37.3	24.7	28.3	29.5	29.7
	SVE-16	24.8	27.1	26.6	30.4	30.3
	SVE-18	10.8	13.3	13.3	13.9	14.2
	SVE-17	19.6	37.9	33.3	32.7	33.1
	SVE-12	18.6	21.5	24.7	62.7	64.0
	SVE-9	9.3	13.1	13.3	71.2	69.5
	SVE-21	23.4	25.1	27.1	28.9	29.5
	SVE-3	12.7	13.2	11.3	9.4	10.9
	SVE-1	NA	NA	NA	NA	NA
	SVE-4	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA
	SVE-20	61.9	60.4	55.5	61.4	62.6
	SVE-19	20.5	24.2	24.0	19.9	21.6
	SVE-23	13.1	19.4	16.4	14.8	14.9
	SVE-22	6.4	7.7	9.0	10.1	10.3
	SVE-25	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA

SVE System Summary
Former Ozone Industries, Inc.
Ozone Park, Queens NY

DATE OF O&M VISIT		05/13/24	08/20/24	11/20/24	02/03/25	04/08/25
SVE System Status (Up / Down / Off)						
Status On Arrival		Up	Up	Up	Up	Up
Overall Up Time Since Start Up		100%	100%	100%	100%	100%
VOCs (ppm _v)		544.87				
	SVE-8	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA
	SVE-11	0.0	0.3	0.3	0.0	NM
	SVE-10	0.0	0.3	0.3	0.0	NM
	SVE-15	0.0	0.3	0.2	0.2	NM
	SVE-13	0.0	0.3	0.3	0.0	NM
	SVE-14	0.0	0.4	0.4	0.0	NM
	SVE-16	0.0	0.9	0.2	0.0	NM
	SVE-18	0.0	24.8	0.8	0.0	NM
	SVE-17	0.0	2.7	0.4	0.0	NM
	SVE-12	0.0	0.3	0.2	0.0	NM
	SVE-9	0.0	0.2	0.0	0.0	NM
	SVE-21	0.0	0.3	0.1	0.0	NM
	SVE-3	0.0	0.3	0.0	0.0	NM
	SVE-1	0.0	NA	NA	NA	NA
	SVE-4	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA
	SVE-20	0.0	0.4	0.2	0.2	NM
	SVE-19	0.0	0.2	0.2	0.0	NM
	SVE-23	0.0	0.5	0.3	0.0	NM
	SVE-22	0.0	0.2	0.1	0.3	NM
	SVE-25	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA
SVE Sample Ports						
		0.0	2.7	0.4	0.3	0.0
		0.0	0.2	0.0	0.0	0.0
VOCs (ppm _v)						
	SVE-SP01	0.2	0.9	0.8	0.9	0.1
	SVE-SP04	0.2	0.7	0.5	0.7	0.0

- Notes:
- 1) Soil Vapor Velocity taken from individual SVE Wells is from a 2.0-inch diameter pipe.
 - 2) Soil Vapor Velocity taken with pitot tube assuming soil vapor temp of 65 deg F, from SVE-SP-03, which is from a 4.0-inch diameter pipe.
 - 3) Soil Vapor Velocity taken from SVE-SP-04 is from a 3.0-inch diameter pipe.
 - 4) Dilution is calculated by subtracting Blower Inlet and Discharge Soil Vapor Flow Rate.
 - 5) Mass removal based following calculation: #/hr = Flow Rate x 111 (MW of Benzene) x VOC x 1.53x10⁻⁷ .
 - 6) NA - Not Applicable (Point removed from monitoring program), NM - Not Measureable (Due to faulty monitoring equipment, inaccessability, etc.)

Appendix B

Laboratory Analytical



Thursday, February 06, 2025

Attn: Matt Pearsall
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Project ID: ENDZONE
SDG ID: GCS56412
Sample ID#s: CS56412 - CS56414

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

February 06, 2025

SDG I.D.: GCS56412

Project ID: ENDZONE

Client Id	Lab Id	Matrix	Col Date
SVE INFLUENT_020325	CS56412	AIR	02/03/25 11:26
SVD INFLUENT_020325	CS56413	AIR	02/03/25 11:35
TOTAL EFFLUENT_020325	CS56414	AIR	02/03/25 11:40



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

February 06, 2025

FOR: Attn: Matt Pearsall
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Sample Information

Matrix: AIR
Location Code: AECOM-CHELM
Rush Request: Standard
P.O.#:
Canister Id: 0718

Custody Information

Collected by: NG
Received by: SR1
Analyzed by: see "By" below

Date

02/03/25 11:26
02/04/25 14:08

Time

Project ID: ENDZONE
Client ID: SVE INFLUENT_020325

Laboratory Data

SDG ID: GCS56412
Phoenix ID: CS56412

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	02/04/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	02/04/25	KCA	5
1,2,4-Trimethylbenzene	18.3	1.02	89.9	5.01	02/04/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	02/04/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	02/04/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	02/04/25	KCA	5
1,3,5-Trimethylbenzene	6.22	1.02	30.6	5.01	02/04/25	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	02/04/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	02/04/25	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
4-Ethyltoluene	12.8	1.02	62.9	5.01	02/04/25	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	02/04/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
Acetone	7.14	2.11	17.0	5.01	02/04/25	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	02/04/25	KCA	5
Benzene	ND	1.57	ND	5.01	02/04/25	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	02/04/25	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	02/04/25	KCA	5	
Bromoform	ND	0.484	ND	5.00	02/04/25	KCA	5	
Bromomethane	ND	1.29	ND	5.01	02/04/25	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	02/04/25	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	02/04/25	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	02/04/25	KCA	5	
Chloroethane	ND	1.90	ND	5.01	02/04/25	KCA	5	
Chloroform	2.04	1.02	10.0	4.98	02/04/25	KCA	5	
Chloromethane	ND	2.42	ND	4.99	02/04/25	KCA	5	
Cis-1,2-Dichloroethene	15.8	0.252	62.6	1.00	02/04/25	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	02/04/25	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	02/04/25	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	02/04/25	KCA	5	
Ethanol	7.16	2.66	13.5	5.01	02/04/25	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	02/04/25	KCA	5	1
Ethylbenzene	3.57	1.15	15.5	4.99	02/04/25	KCA	5	
Heptane	ND	1.22	ND	5.00	02/04/25	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	02/04/25	KCA	5	
Hexane	ND	1.42	ND	5.00	02/04/25	KCA	5	
Isooctane	4.40	1.07	20.5	4.99	02/04/25	KCA	5	
Isopropylalcohol	2.37	2.04	5.82	5.01	02/04/25	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	02/04/25	KCA	5	
m,p-Xylene	12.9	1.15	56.0	4.99	02/04/25	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	02/04/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	02/04/25	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	02/04/25	KCA	5	
Naphthalene	ND	1.00	ND	5.23	02/04/25	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5	1
o-Xylene	3.78	1.15	16.4	4.99	02/04/25	KCA	5	
Propylene	ND	2.91	ND	5.01	02/04/25	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5	1
Styrene	ND	1.17	ND	4.98	02/04/25	KCA	5	
Tetrachloroethene	17.0	0.184	115	1.25	02/04/25	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	02/04/25	KCA	5	1
Toluene	ND	1.33	ND	5.01	02/04/25	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	02/04/25	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5	
Trichloroethene	228	0.370	1220	1.99	02/05/25	KCA	10	
Trichlorofluoromethane	ND	0.891	ND	5.00	02/04/25	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	02/04/25	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	02/04/25	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	103	%	103	%	02/04/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	93	%	93	%	02/04/25	KCA	5	
% IS-Bromochloromethane (5x)	96	%	96	%	02/04/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	91	%	91	%	02/04/25	KCA	5	
% Bromofluorobenzene (10x)	100	%	100	%	02/05/25	KCA	10	
% IS-1,4-Difluorobenzene (10x)	91	%	91	%	02/05/25	KCA	10	

Project ID: ENDZONE

Phoenix I.D.: CS56412

Client ID: SVE INFLUENT_020325

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
% IS-Bromochloromethane (10x)	91	%	91	%	02/05/25	KCA	10
% IS-Chlorobenzene-d5 (10x)	92	%	92	%	02/05/25	KCA	10

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

February 06, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

February 06, 2025

FOR: Attn: Matt Pearsall
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Sample Information

Matrix: AIR
Location Code: AECOM-CHELM
Rush Request: Standard
P.O.#:
Canister Id: 0665

Custody Information

Collected by: NG
Received by: SR1
Analyzed by: see "By" below

Date

02/03/25 11:35
02/04/25 14:08

Time

Project ID: ENDZONE
Client ID: SVD INFLUENT_020325

Laboratory Data

SDG ID: GCS56412
Phoenix ID: CS56413

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	02/04/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	02/04/25	KCA	5
1,2,4-Trimethylbenzene	5.23	1.02	25.7	5.01	02/04/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	02/04/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	02/04/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	02/04/25	KCA	5
1,3,5-Trimethylbenzene	2.05	1.02	10.1	5.01	02/04/25	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	02/04/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	02/04/25	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
4-Ethyltoluene	4.03	1.02	19.8	5.01	02/04/25	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	02/04/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
Acetone	16.1	2.11	38.2	5.01	02/04/25	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	02/04/25	KCA	5
Benzene	1.61	1.57	5.14	5.01	02/04/25	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	02/04/25	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	ND	5.00	02/04/25	KCA	5
Bromoform	ND	0.484	ND	5.00	02/04/25	KCA	5
Bromomethane	ND	1.29	ND	5.01	02/04/25	KCA	5
Carbon Disulfide	ND	1.61	ND	5.01	02/04/25	KCA	5
Carbon Tetrachloride	ND	0.159	ND	1.00	02/04/25	KCA	5
Chlorobenzene	ND	1.09	ND	5.01	02/04/25	KCA	5
Chloroethane	ND	1.90	ND	5.01	02/04/25	KCA	5
Chloroform	ND	1.02	ND	4.98	02/04/25	KCA	5
Chloromethane	ND	2.42	ND	4.99	02/04/25	KCA	5
Cis-1,2-Dichloroethene	0.370	0.252	1.47	1.00	02/04/25	KCA	5
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5
Cyclohexane	ND	1.45	ND	4.99	02/04/25	KCA	5
Dibromochloromethane	ND	0.587	ND	5.00	02/04/25	KCA	5
Dichlorodifluoromethane	ND	1.01	ND	4.99	02/04/25	KCA	5
Ethanol	39.3	2.66	74.0	5.01	02/04/25	KCA	5 1
Ethyl acetate	ND	1.39	ND	5.01	02/04/25	KCA	5 1
Ethylbenzene	1.92	1.15	8.33	4.99	02/04/25	KCA	5
Heptane	1.36	1.22	5.57	5.00	02/04/25	KCA	5
Hexachlorobutadiene	ND	0.469	ND	5.00	02/04/25	KCA	5
Hexane	1.94	1.42	6.83	5.00	02/04/25	KCA	5
Isooctane	3.75	1.07	17.5	4.99	02/04/25	KCA	5
Isopropylalcohol	ND	2.04	ND	5.01	02/04/25	KCA	5
Isopropylbenzene	ND	1.02	ND	5.01	02/04/25	KCA	5
m,p-Xylene	5.46	1.15	23.7	4.99	02/04/25	KCA	5
Methyl Ethyl Ketone	ND	1.70	ND	5.01	02/04/25	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	02/04/25	KCA	5
Methylene Chloride	ND	4.32	ND	15.0	02/04/25	KCA	5
Naphthalene	ND	1.00	ND	5.23	02/04/25	KCA	5
n-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5 1
o-Xylene	1.76	1.15	7.64	4.99	02/04/25	KCA	5
Propylene	3.12	2.91	5.37	5.01	02/04/25	KCA	5 1
sec-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5 1
Styrene	ND	1.17	ND	4.98	02/04/25	KCA	5
Tetrachloroethene	0.825	0.184	5.59	1.25	02/04/25	KCA	5
Tetrahydrofuran	ND	1.70	ND	5.01	02/04/25	KCA	5 1
Toluene	3.79	1.33	14.3	5.01	02/04/25	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	02/04/25	KCA	5
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5
Trichloroethene	5.83	0.185	31.3	0.99	02/04/25	KCA	5
Trichlorofluoromethane	ND	0.891	ND	5.00	02/04/25	KCA	5
Trichlorotrifluoroethane	ND	0.653	ND	5.00	02/04/25	KCA	5
Vinyl Chloride	ND	0.390	ND	1.00	02/04/25	KCA	5
<u>QA/QC Surrogates/Internals</u>							
% Bromofluorobenzene (5x)	103	%	103	%	02/04/25	KCA	5
% IS-1,4-Difluorobenzene (5x)	96	%	96	%	02/04/25	KCA	5
% IS-Bromochloromethane (5x)	97	%	97	%	02/04/25	KCA	5
% IS-Chlorobenzene-d5 (5x)	98	%	98	%	02/04/25	KCA	5

Project ID: ENDZONE

Phoenix I.D.: CS56413

Client ID: SVD INFLUENT_020325

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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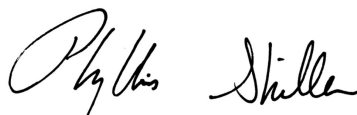
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

February 06, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



Analysis Report

February 06, 2025

FOR: Attn: Matt Pearsall
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Sample Information

Matrix: AIR
Location Code: AECOM-CHELM
Rush Request: Standard
P.O.#:
Canister Id: 0702

Custody Information

Collected by: NG
Received by: SR1
Analyzed by: see "By" below

Date

02/03/25 11:40
02/04/25 14:08

Time

Project ID: ENDZONE
Client ID: TOTAL EFFLUENT_020325

Laboratory Data

SDG ID: GCS56412
Phoenix ID: CS56414

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>							
1,1,1,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,1-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	ND	5.00	02/04/25	KCA	5
1,1,2-Trichloroethane	ND	0.917	ND	5.00	02/04/25	KCA	5
1,1-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,1-Dichloroethene	ND	0.252	ND	1.00	02/04/25	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	ND	5.00	02/04/25	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	ND	5.01	02/04/25	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	ND	5.00	02/04/25	KCA	5
1,2-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,2-Dichloroethane	ND	1.24	ND	5.02	02/04/25	KCA	5
1,2-dichloropropane	ND	1.08	ND	4.99	02/04/25	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	ND	5.00	02/04/25	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	ND	5.01	02/04/25	KCA	5
1,3-Butadiene	ND	2.26	ND	5.00	02/04/25	KCA	5
1,3-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dichlorobenzene	ND	0.832	ND	5.00	02/04/25	KCA	5
1,4-Dioxane	ND	1.39	ND	5.01	02/04/25	KCA	5
2-Hexanone(MBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
4-Ethyltoluene	ND	1.02	ND	5.01	02/04/25	KCA	5
4-Isopropyltoluene	ND	0.911	ND	5.00	02/04/25	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	ND	4.99	02/04/25	KCA	5
Acetone	ND	2.11	ND	5.01	02/04/25	KCA	5
Acrylonitrile	ND	2.31	ND	5.01	02/04/25	KCA	5
Benzene	ND	1.57	ND	5.01	02/04/25	KCA	5
Benzyl chloride	ND	0.966	ND	5.00	02/04/25	KCA	5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	0.747	ND	5.00	02/04/25	KCA	5	
Bromoform	ND	0.484	ND	5.00	02/04/25	KCA	5	
Bromomethane	ND	1.29	ND	5.01	02/04/25	KCA	5	
Carbon Disulfide	ND	1.61	ND	5.01	02/04/25	KCA	5	
Carbon Tetrachloride	ND	0.159	ND	1.00	02/04/25	KCA	5	
Chlorobenzene	ND	1.09	ND	5.01	02/04/25	KCA	5	
Chloroethane	ND	1.90	ND	5.01	02/04/25	KCA	5	
Chloroform	ND	1.02	ND	4.98	02/04/25	KCA	5	
Chloromethane	ND	2.42	ND	4.99	02/04/25	KCA	5	
Cis-1,2-Dichloroethene	5.05	0.252	20.0	1.00	02/04/25	KCA	5	
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5	
Cyclohexane	ND	1.45	ND	4.99	02/04/25	KCA	5	
Dibromochloromethane	ND	0.587	ND	5.00	02/04/25	KCA	5	
Dichlorodifluoromethane	ND	1.01	ND	4.99	02/04/25	KCA	5	
Ethanol	3.82	2.66	7.19	5.01	02/04/25	KCA	5	1
Ethyl acetate	ND	1.39	ND	5.01	02/04/25	KCA	5	1
Ethylbenzene	ND	1.15	ND	4.99	02/04/25	KCA	5	
Heptane	ND	1.22	ND	5.00	02/04/25	KCA	5	
Hexachlorobutadiene	ND	0.469	ND	5.00	02/04/25	KCA	5	
Hexane	ND	1.42	ND	5.00	02/04/25	KCA	5	
Isooctane	ND	1.07	ND	4.99	02/04/25	KCA	5	
Isopropylalcohol	ND	2.04	ND	5.01	02/04/25	KCA	5	
Isopropylbenzene	ND	1.02	ND	5.01	02/04/25	KCA	5	
m,p-Xylene	ND	1.15	ND	4.99	02/04/25	KCA	5	
Methyl Ethyl Ketone	ND	1.70	ND	5.01	02/04/25	KCA	5	
Methyl tert-butyl ether(MTBE)	ND	1.39	ND	5.01	02/04/25	KCA	5	
Methylene Chloride	ND	4.32	ND	15.0	02/04/25	KCA	5	
Naphthalene	ND	1.00	ND	5.23	02/04/25	KCA	5	
n-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5	1
o-Xylene	ND	1.15	ND	4.99	02/04/25	KCA	5	
Propylene	ND	2.91	ND	5.01	02/04/25	KCA	5	1
sec-Butylbenzene	ND	0.911	ND	5.00	02/04/25	KCA	5	1
Styrene	ND	1.17	ND	4.98	02/04/25	KCA	5	
Tetrachloroethene	ND	0.184	ND	1.25	02/04/25	KCA	5	
Tetrahydrofuran	ND	1.70	ND	5.01	02/04/25	KCA	5	1
Toluene	ND	1.33	ND	5.01	02/04/25	KCA	5	
Trans-1,2-Dichloroethene	ND	1.26	ND	4.99	02/04/25	KCA	5	
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	02/04/25	KCA	5	
Trichloroethene	70.8	0.185	380	0.99	02/04/25	KCA	5	
Trichlorofluoromethane	ND	0.891	ND	5.00	02/04/25	KCA	5	
Trichlorotrifluoroethane	ND	0.653	ND	5.00	02/04/25	KCA	5	
Vinyl Chloride	ND	0.390	ND	1.00	02/04/25	KCA	5	
<u>QA/QC Surrogates/Internals</u>								
% Bromofluorobenzene (5x)	102	%	102	%	02/04/25	KCA	5	
% IS-1,4-Difluorobenzene (5x)	94	%	94	%	02/04/25	KCA	5	
% IS-Bromochloromethane (5x)	93	%	93	%	02/04/25	KCA	5	
% IS-Chlorobenzene-d5 (5x)	94	%	94	%	02/04/25	KCA	5	

Project ID: ENDZONE

Phoenix I.D.: CS56414

Client ID: TOTAL EFFLUENT_020325

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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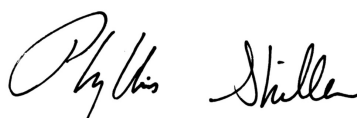
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

February 06, 2025

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

February 06, 2025

FOR: Attn: Matt Pearsall
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Location Code: AECOM-CHELM

SDG I.D.: GCS56412

Project ID: ENDZONE

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SVE INFLUENT_0203	CS56412	0718	6.0L		01/29/25	-30	-5				-30	-4.5	02/03/25 11:23	02/03/25 11:26
SVD INFLUENT_0203	CS56413	0665	6.0L		01/29/25	-30	-3				-30	-5	02/03/25 11:32	02/03/25 11:35
TOTAL EFFLUENT_0	CS56414	0702	6.0G		01/29/25	-30	0				-30	-3	02/03/25 11:36	02/03/25 11:40



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102



QA/QC Report

February 06, 2025

QA/QC Data

SDG I.D.: GCS56412

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 769625 (ppbv), QC Sample No: CS56395 (CS56412 (5X, 10X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	2.50	ND	17.2	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	2.50	ND	13.6	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.050	ND	0.34	107	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.100	ND	0.55	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.750	ND	3.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	1.00	ND	3.96	104	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.270	ND	2.00	109	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	2.50	ND	12.3	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.050	ND	0.38	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.500	ND	3.00	111	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.100	ND	0.40	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.100	ND	0.46	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	2.50	ND	17.5	97	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	2.50	ND	12.3	100	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	2.50	ND	5.53	97	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.500	ND	3.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.400	ND	2.40	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.650	ND	2.34	82	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	1.00	ND	4.66	106	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	2.50	ND	10.2	96	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	2.50	ND	12.3	109	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	2.50	ND	13.7	98	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	2.50	ND	10.2	98	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	3.75	ND	8.90	104	13.0	14.1	5.47	5.93	NC	70 - 130	25
Acrylonitrile	ND	2.50	ND	5.42	110	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	1.00	ND	3.19	104	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	2.50	ND	12.9	107	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.100	ND	0.67	104	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.750	ND	7.75	110	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.700	ND	2.72	88	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	2.50	ND	7.78	108	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.430	ND	2.70	108	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	1.00	ND	4.60	101	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	2.50	ND	6.59	94	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	1.00	ND	4.88	104	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	2.50	ND	5.16	102	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	1.00	ND	3.96	103	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.500	ND	2.27	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	2.50	ND	8.60	99	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.100	ND	0.85	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	2.50	ND	12.4	105	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCS56412

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	3.75	ND	7.06	96	1120 E	1160	597 E	616	3.1	70 - 130	25
Ethyl acetate	ND	2.50	ND	9.00	128	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	2.50	ND	10.8	104	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	2.50	ND	10.2	109	414	414	101	101	0.0	70 - 130	25
Hexachlorobutadiene	ND	0.050	ND	0.53	139	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	2.25	ND	7.93	111	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	3.75	ND	9.21	105	12.9	14.1	5.25	5.73	NC	70 - 130	25
Isopropylbenzene	ND	2.50	ND	12.3	101	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	5.00	ND	21.7	105	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	2.25	ND	6.63	105	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	2.50	ND	9.01	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	15.0	ND	52.1	102	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.500	ND	2.62	103	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	2.50	ND	13.7	108	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	2.50	ND	10.8	102	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	2.50	ND	4.30	111	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	2.50	ND	13.7	99	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	1.00	ND	4.26	105	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.500	ND	3.39	98	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	2.50	ND	7.37	111	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	2.50	ND	9.42	103	144	151	38.3	40.0	4.3	70 - 130	25
Trans-1,2-Dichloroethene	ND	1.00	ND	3.96	102	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	2.50	ND	11.3	103	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.250	ND	1.34	102	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	2.50	ND	14.0	100	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	2.50	ND	19.1	103	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.500	ND	1.28	99	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	92		92		101	101	104	101	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	104	%	104	%	99	96	91	96	91	NC	60 - 140	25
% IS-Bromochloromethane	105	%	105	%	96	98	92	98	92	NC	60 - 140	25
% IS-Chlorobenzene-d5	102	%	102	%	106	94	85	94	85	NC	60 - 140	25

QA/QC Batch 769626 (ppbv), QC Sample No: CS56414 (CS56413 (5X) , CS56414 (5X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.750	ND	5.15	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.900	ND	4.91	110	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.750	ND	5.15	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.900	ND	4.91	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	1.25	ND	5.06	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.250	ND	0.99	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.650	ND	4.82	175	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	1.00	ND	4.91	113	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.650	ND	4.99	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.850	ND	5.11	112	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	1.25	ND	5.06	110	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	1.10	ND	5.08	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.700	ND	4.89	112	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	1.00	ND	4.91	110	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	2.25	ND	4.97	112	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.850	ND	5.11	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.850	ND	5.11	112	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	1.40	ND	5.04	96	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	1.05	ND	4.89	106	ND	ND	ND	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCS56412

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
2-Hexanone(MBK)	ND	1.20	ND	4.91	106	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	1.00	ND	4.91	112	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.900	ND	4.94	106	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	1.20	ND	4.91	103	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	2.10	ND	4.99	103	ND	ND	ND	ND	NC	70 - 130	25
Acrylonitrile	ND	2.30	ND	4.99	105	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	1.55	ND	4.95	101	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.950	ND	4.92	119	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.750	ND	5.02	108	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.485	ND	5.01	109	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	1.30	ND	5.04	109	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	1.60	ND	4.98	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.160	ND	1.01	111	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	1.10	ND	5.06	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	1.90	ND	5.01	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	1.00	ND	4.88	106	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	2.40	ND	4.95	111	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.250	ND	0.99	108	20.0	19.4	5.05	4.90	3.0	70 - 130	25
cis-1,3-Dichloropropene	ND	1.10	ND	4.99	107	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	1.45	ND	4.99	93	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.600	ND	5.11	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	1.00	ND	4.94	115	ND	ND	ND	ND	NC	70 - 130	25
Ethanol	ND	2.65	ND	4.99	153	7.19	7.57	3.82	4.02	NC	70 - 130	25
Ethyl acetate	ND	1.40	ND	5.04	126	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	1.15	ND	4.99	108	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	1.20	ND	4.91	109	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.470	ND	5.01	167	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	1.40	ND	4.93	109	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	2.05	ND	5.04	110	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	1.00	ND	4.91	103	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	1.15	ND	4.99	114	ND	ND	ND	ND	NC	70 - 130	25
Methyl Ethyl Ketone	ND	1.70	ND	5.01	109	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	1.40	ND	5.04	109	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	4.30	ND	14.9	97	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	1.00	ND	5.23	192	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.900	ND	4.94	108	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	1.15	ND	4.99	111	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	2.90	ND	4.99	104	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.900	ND	4.94	107	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	1.15	ND	4.90	112	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.185	ND	1.25	106	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	1.70	ND	5.01	107	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	1.35	ND	5.08	106	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	1.25	ND	4.95	105	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	1.10	ND	4.99	112	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.185	ND	0.99	107	380	379	70.8	70.5	0.4	70 - 130	25
Trichlorofluoromethane	ND	0.900	ND	5.05	109	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.650	ND	4.98	107	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.390	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	95		95		99	102	101	102	101	NC	70 - 130	25
% IS-1,4-Difluorobenzene	105	%	105	%	104	94	94	94	94	NC	60 - 140	25
% IS-Bromochloromethane	103	%	103	%	100	93	93	93	93	NC	60 - 140	25
% IS-Chlorobenzene-d5	103	%	103	%	111	94	95	94	95	NC	60 - 140	25

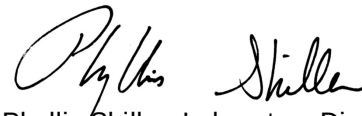
QA/QC Data

SDG I.D.: GCS56412

Parameter	Blk	Blk	Blk	Blk	LCS	Sample	Sample	Sample	Sample	DUP	%	%
	ppbv	RL	ppbv	RL	%	Result	Dup	Result	Dup	RPD	Rec	RPD
			ug/m3	ug/m3		ug/m3	ug/m3	ppbv	ppbv		Limits	Limits

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution


Phyllis Shiller, Laboratory Director
February 06, 2025

Thursday, February 06, 2025

Criteria: NY: AIRSV

State: NY

Sample Criteria Exceedances Report

GCS56412 - AECOM-CHELM

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS56412	\$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Sub-Slab Vapor	228	0.370	1.12	1.12	ppbv
CS56412	\$AIR_NYTO15	Tetrachloroethene	NY / Air Guideline Values / Sub-Slab Vapor	17.0	0.184	14.8	14.8	ppbv
CS56412	\$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Sub-Slab Vapor	15.8	0.252	1.51	1.51	ppbv
CS56413	\$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Sub-Slab Vapor	5.83	0.185	1.12	1.12	ppbv
CS56414	\$AIR_NYTO15	Trichloroethene	NY / Air Guideline Values / Sub-Slab Vapor	70.8	0.185	1.12	1.12	ppbv
CS56414	\$AIR_NYTO15	Cis-1,2-Dichloroethene	NY / Air Guideline Values / Sub-Slab Vapor	5.05	0.252	1.51	1.51	ppbv

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

February 06, 2025

SDG I.D.: GCS56412

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



ANALYTICAL REPORT

Lab Number:	L2448216
Client:	AECOM 250 Apollo Drive Chelmsford, MA 01824
ATTN:	Matthew Pearsall
Phone:	(860) 263-5763
Project Name:	OZONE NY
Project Number:	60671903
Report Date:	08/30/24

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

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



Project Name: OZONE NY

Project Number: 60671903

Lab Number: L2448216

Report Date: 08/30/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2448216-01	BAY-8-IA	AIR	100TH ST QUEENS	08/20/24 17:35	08/22/24
L2448216-02	BAY-10-IA	AIR	100TH ST QUEENS	08/20/24 17:42	08/22/24
L2448216-03	BAY-11-IA	AIR	100TH ST QUEENS	08/20/24 17:52	08/22/24
L2448216-04	BAY-12-IA	AIR	100TH ST QUEENS	08/20/24 17:28	08/22/24
L2448216-05	BAY-15-IA	AIR	100TH ST QUEENS	08/20/24 17:23	08/22/24
L2448216-06	BAY-13-IA	AIR	100TH ST QUEENS	08/20/24 18:00	08/22/24
L2448216-07	BAY-14-IA	AIR	100TH ST QUEENS	08/20/24 17:38	08/22/24
L2448216-08	OUTDOOR AIR-BAY-14	AIR	100TH ST QUEENS	08/20/24 18:46	08/22/24
L2448216-09	UNUSED CAN #2777	AIR	100TH ST QUEENS		08/22/24
L2448216-10	UNUSED CAN #3375	AIR	100TH ST QUEENS		08/22/24
L2448216-11	UNUSED CAN #3657	AIR	100TH ST QUEENS		08/22/24
L2448216-12	UNUSED CAN #4339	AIR	100TH ST QUEENS		08/22/24

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

Case Narrative

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

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

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

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

HOLD POLICY - For samples submitted on hold, 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: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 24, 2024. The canister certification data is provided as an addendum.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/30/24

AIR

Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-01
 Client ID: BAY-8-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:35
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 16:49
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.354	0.020	--	1.90	0.107	--		1
Tetrachloroethene	0.210	0.020	--	1.42	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-02
 Client ID: BAY-10-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:42
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 17:28
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.315	0.020	--	1.69	0.107	--		1
Tetrachloroethene	0.333	0.020	--	2.26	0.136	--		1

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



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-03
 Client ID: BAY-11-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:52
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 18:07
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.279	0.020	--	1.50	0.107	--		1
Tetrachloroethene	0.332	0.020	--	2.25	0.136	--		1

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



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-04
 Client ID: BAY-12-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:28
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 18:46
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.116	0.020	--	0.623	0.107	--		1
Tetrachloroethene	0.221	0.020	--	1.50	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-05
 Client ID: BAY-15-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:23
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 19:25
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.042	0.020	--	0.226	0.107	--		1
Tetrachloroethene	0.143	0.020	--	0.970	0.136	--		1

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



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-06
 Client ID: BAY-13-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 18:00
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 20:04
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.308	0.020	--	1.66	0.107	--		1
Tetrachloroethene	0.323	0.020	--	2.19	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-07
 Client ID: BAY-14-IA
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:38
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 21:22
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	0.246	0.020	--	1.32	0.107	--		1
Tetrachloroethene	0.341	0.020	--	2.31	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	91		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448216**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448216-08
 Client ID: OUTDOOR AIR-BAY-14
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 18:46
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/26/24 16:10
 Analyst: BJB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.224	0.020	--	1.52	0.136	--		1

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

Project Name: OZONE NY

Lab Number: L2448216

Project Number: 60671903

Report Date: 08/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 08/26/24 15:32

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-08 Batch: WG1963979-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis Batch Quality Control

Project Name: OZONE NY

Project Number: 60671903

Lab Number: L2448216

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 Batch: WG1963979-3								
Vinyl chloride	101		-		70-130	-		25
trans-1,2-Dichloroethene	97		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25
Trichloroethene	92		-		70-130	-		25
Tetrachloroethene	82		-		70-130	-		25

Project Name: OZONE NY

Project Number: 60671903

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2448216

Report Date: 08/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1963979-5 QC Sample: L2448216-06 Client ID: BAY-13-IA						
Vinyl chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Trichloroethene	0.308	0.296	ppbV	4		25
Tetrachloroethene	0.323	0.304	ppbV	6		25

Project Name: OZONE NY

Project Number: 60671903

Serial_No:08302411:31
Lab Number: L2448216

Report Date: 08/30/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2448216-01	BAY-8-IA	0729	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	10.2	2
L2448216-01	BAY-8-IA	2291	6.0L Can	06/24/24	472918	L2433186-03	Pass	-29.5	-5.8	-	-	-	-
L2448216-02	BAY-10-IA	0133	Flow 5	06/24/24	472918		-	-	-	Pass	10.1	10.2	1
L2448216-02	BAY-10-IA	2920	6.0L Can	06/24/24	472918	L2433186-03	Pass	-29.5	-5.7	-	-	-	-
L2448216-03	BAY-11-IA	01659	Flow 5	06/24/24	472918		-	-	-	Pass	10.0	10.8	8
L2448216-03	BAY-11-IA	3325	6.0L Can	06/24/24	472918	L2433186-03	Pass	-29.4	-4.8	-	-	-	-
L2448216-04	BAY-12-IA	01295	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	10.7	7
L2448216-04	BAY-12-IA	2897	6.0L Can	06/24/24	472918	L2433186-03	Pass	-29.5	-5.1	-	-	-	-
L2448216-05	BAY-15-IA	01929	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	11.2	11
L2448216-05	BAY-15-IA	973	6.0L Can	06/24/24	472918	L2433186-03	Pass	-29.5	-5.3	-	-	-	-
L2448216-06	BAY-13-IA	0766	Flow 4	06/24/24	-		-	-	-	-	10	7.2	33
L2448216-06	BAY-13-IA	633	6.0L Can	06/24/24	472918	L2430438-02	Pass	-29.5	-7.0	-	-	-	-
L2448216-07	BAY-14-IA	0326	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	11.0	10
L2448216-07	BAY-14-IA	3636	6.0L Can	06/24/24	472918	L2433186-06	Pass	-29.5	-9.0	-	-	-	-
L2448216-08	OUTDOOR AIR-BAY-14	0945	Flow 5	06/24/24	472918		-	-	-	Pass	10.0	9.2	8

Project Name: OZONE NY

Project Number: 60671903

Serial_No:08302411:31
Lab Number: L2448216

Report Date: 08/30/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2448216-08	OUTDOOR AIR-BAY-14	3148	6.0L Can	06/24/24	472918	L2430438-02	Pass	-29.5	-5.2	-	-	-	-
L2448216-09	UNUSED CAN #2777	01722	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	10.1	1
L2448216-09	UNUSED CAN #2777	2777	6.0L Can	06/24/24	472918	L2433186-06	Pass	-29.5	-28.9	-	-	-	-
L2448216-10	UNUSED CAN #3375	01622	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	10.1	1
L2448216-10	UNUSED CAN #3375	3375	6.0L Can	06/24/24	472918	L2430438-02	Pass	-29.5	-28.8	-	-	-	-
L2448216-11	UNUSED CAN #3657	01023	Flow 5	06/24/24	472918		-	-	-	Pass	10.0	10.2	2
L2448216-11	UNUSED CAN #3657	3657	6.0L Can	06/24/24	472918	L2430438-02	Pass	-29.5	-28.9	-	-	-	-
L2448216-12	UNUSED CAN #4339	02056	Flow 4	06/24/24	472918		-	-	-	Pass	10.0	10.3	3
L2448216-12	UNUSED CAN #4339	4339	6.0L Can	06/24/24	472918	L2433186-04	Pass	-29.5	-28.9	-	-	-	-

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

Lab Number: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/06/24 22:02
Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2430438**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2430438-02

Date Collected: 06/01/24 07:00

Client ID: CAN 1707 SHELF 65

Date Received: 06/01/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

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

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

Lab Number: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/06/24 22:02
Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2430438
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2430438-02
Client ID: CAN 1707 SHELF 65
Sample Location:

Date Collected: 06/01/24 07:00
Date Received: 06/01/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2430438**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2430438-02

Date Collected: 06/01/24 07:00

Client ID: CAN 1707 SHELF 65

Date Received: 06/01/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	95		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/17/24 16:38
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-03

Date Collected: 06/12/24 14:00

Client ID: CAN 2098 SHELF 66

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	94		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/17/24 16:38
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-03
Client ID: CAN 2098 SHELF 66
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-03

Date Collected: 06/12/24 14:00

Client ID: CAN 2098 SHELF 66

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/17/24 17:09
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-04

Date Collected: 06/12/24 14:00

Client ID: CAN 1638 SHELF 67

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	96		60-140

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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/17/24 17:09
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-04
Client ID: CAN 1638 SHELF 67
Sample Location:

Date Collected: 06/12/24 14:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-04

Date Collected: 06/12/24 14:00

Client ID: CAN 1638 SHELF 67

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	93		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/17/24 18:11
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-06

Date Collected: 06/13/24 12:00

Client ID: CAN 1537 SHELF 61

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				
No Tentatively Identified Compounds				

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

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

Lab Number: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/17/24 18:11
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2433186
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2433186-06
Client ID: CAN 1537 SHELF 61
Sample Location:

Date Collected: 06/13/24 12:00
Date Received: 06/13/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2433186**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2433186-06

Date Collected: 06/13/24 12:00

Client ID: CAN 1537 SHELF 61

Date Received: 06/13/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

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

Project Name: OZONE NY**Lab Number:** L2448216**Project Number:** 60671903**Report Date:** 08/30/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2448216-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-07A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-08A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-SIM(30)
L2448216-09A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2448216-10A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2448216-11A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2448216-12A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448216
Report Date: 08/30/24

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases**

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

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

Client Information

Client: AECOM

Address: 250 Apollo Drive
Chelmsford MA 01824

Phone: 781-576-9312

Fax:

Email: Matthew.Pearsall@aecom.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: OZONE IV

Project Location: 100th St Queens

Project #: 60527976

Project Manager: Matthew Pearsall

ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Date Rec'd in Lab:

8-22-24

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)

ALPHA Job #:

L2448220 HML

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed

Program

Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15	APH	Fixed	Sulfides		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
448220 -01	Bay - 8 - IA	8/20/24	0942	1735	-29.77	-6.79	AA	SH	6	2291	0727	X							
448216 -02	Bay - 10 - IA	8/20/24	0956	1742	-29.80	-6.68	AA	SH	6	2920	0133	X							
-03	Bay - 11 - IA	8/20/24	0959	1752	-29.89	-5.84	AA	SH	6	2325	0165	X							
-04	Bay - 12 - IA	8/20/24	1010	1728	-30.05	-6.13	AA	SH	6	2892	0129	X							
-05	Bay - 15 - IA	8/20/24	1017	1723	-29.87	-6.28	AA	SH	6	973	0129	X							
-06	Bay - 13 - IA	8/20/24	1100	1800	-30.02	-8.32	AA	SH	6	633	0766	X							
-07	Bay - 14 - IA	8/20/24	1126	1738	-29.98	-9.18	AA	SH	6	362	0326	X							
-08	Outdoor Air - Bay - M	8/20/24	1106	1846	-30.00	-6.15	AA	SH	6	3148	0945	X							
																			

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

C

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

Relinquished By:

Date/Time

Received By:

Date/Time:

Matthew Pearsall AECOM

8/22/24 15:00

DAN'S

8-22-24 13:30

Matthew Pearsall

8/22/24 19:30

Matthew Pearsall

8/22/24 19:30

Matthew Pearsall

8/22/24 21:40

Matthew Pearsall

8-22-24 21:40



ANALYTICAL REPORT

Lab Number:	L2448220
Client:	AECOM 250 Apollo Drive Chelmsford, MA 01824
ATTN:	Matthew Pearsall
Phone:	(860) 263-5763
Project Name:	OZONE NY
Project Number:	60671903
Report Date:	08/30/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0825), DoD (L2474), FL (E87814), IL (200081), IN (C-MA-04), KY (KY98046), LA (85084), ME (MA00030), MD (350), MI (9110), MN (025-999-495), NJ (MA015), NY (11627), NC (685), OR (MA-0262), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #525-23-107-88708A1), USFWS (Permit #A24920).

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



Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2448220-01	MP-155-SS	SOIL_VAPOR	100TH ST QUEENS	08/20/24 17:56	08/22/24
L2448220-02	MP-125-SS	SOIL_VAPOR	100TH ST QUEENS	08/20/24 18:40	08/22/24
L2448220-03	MP-85-SS	SOIL_VAPOR	100TH ST QUEENS	08/20/24 18:21	08/22/24
L2448220-04	MP-65-SS	SOIL_VAPOR	100TH ST QUEENS	08/20/24 18:17	08/22/24
L2448220-05	UNUSED CAN #3230	SOIL_VAPOR	100TH ST QUEENS		08/22/24
L2448220-06	UNUSED CAN #2769	SOIL_VAPOR	100TH ST QUEENS		08/22/24

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

Case Narrative

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

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

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

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

HOLD POLICY - For samples submitted on hold, 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: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 19, 2024. The canister certification data is provided as an addendum.

L2448220-02D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen in order to perform a screen analysis. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/30/24

AIR

Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448220**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448220-01
 Client ID: MP-155-SS
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 17:56
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/24 00:36
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	0.254	0.200	--	1.37	1.07	--		1
Tetrachloroethene	0.553	0.200	--	3.75	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	96		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448220**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448220-02 D
 Client ID: MP-125-SS
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 18:40
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/24 01:16
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.264	--	ND	0.675	--		1.321
trans-1,2-Dichloroethene	ND	0.264	--	ND	1.05	--		1.321
cis-1,2-Dichloroethene	ND	0.264	--	ND	1.05	--		1.321
Trichloroethene	0.454	0.264	--	2.44	1.42	--		1.321
Tetrachloroethene	0.726	0.264	--	4.92	1.79	--		1.321

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	95		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448220**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448220-03
 Client ID: MP-85-SS
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 18:21
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/24 01:55
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	0.305	0.200	--	1.64	1.07	--		1
Tetrachloroethene	0.655	0.200	--	4.44	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: OZONE NY**Project Number:** 60671903**Lab Number:** L2448220**Report Date:** 08/30/24**SAMPLE RESULTS**

Lab ID: L2448220-04
 Client ID: MP-65-SS
 Sample Location: 100TH ST QUEENS

Date Collected: 08/20/24 18:17
 Date Received: 08/22/24
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/24 03:13
 Analyst: JMB

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	1.50	0.200	--	8.06	1.07	--		1
Tetrachloroethene	0.430	0.200	--	2.92	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140



Project Name: OZONE NY

Lab Number: L2448220

Project Number: 60671903

Report Date: 08/30/24

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/28/24 18:06

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1965118-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE NY

Project Number: 60671903

Lab Number: L2448220

Report Date: 08/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1965118-3								
Vinyl chloride	100		-		70-130	-		
trans-1,2-Dichloroethene	113		-		70-130	-		
cis-1,2-Dichloroethene	118		-		70-130	-		
Trichloroethene	113		-		70-130	-		
Tetrachloroethene	100		-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: OZONE NY

Project Number: 60671903

Lab Number: L2448220

Report Date: 08/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1965118-5 QC Sample: L2448220-03 Client ID: MP-85-SS						
Vinyl chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Trichloroethene	0.305	0.297	ppbV	3		25
Tetrachloroethene	0.655	0.625	ppbV	5		25

Project Name: OZONE NY

Project Number: 60671903

Serial_No:08302411:30
Lab Number: L2448220

Report Date: 08/30/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2448220-01	MP-155-SS	0494	Flow 1	08/19/24	480879		-	-	-	Pass	72	71	1
L2448220-01	MP-155-SS	2693	2.7L Can	08/19/24	480879	L2445906-01	Pass	-29.6	-5.5	-	-	-	-
L2448220-02	MP-125-SS	01101	Flow 1	08/19/24	480879		-	-	-	Pass	72	51	34
L2448220-02	MP-125-SS	352	2.7L Can	08/19/24	480879	L2445906-01	Pass	-29.5	-13.2	-	-	-	-
L2448220-03	MP-85-SS	02326	Flow 1	08/19/24	480879		-	-	-	Pass	72	65	10
L2448220-03	MP-85-SS	452	2.7L Can	08/19/24	480879	L2445906-01	Pass	-29.5	-8.6	-	-	-	-
L2448220-04	MP-65-SS	0280	Flow 1	08/19/24	480879		-	-	-	Pass	72	75	4
L2448220-04	MP-65-SS	372	2.7L Can	08/19/24	480879	L2445437-01	Pass	-29.6	-5.0	-	-	-	-
L2448220-05	UNUSED CAN #3230	0187	Flow 1	08/19/24	480879		-	-	-	Pass	72	76	5
L2448220-05	UNUSED CAN #3230	3230	2.7L Can	08/19/24	480879	L2445906-01	Pass	-29.5	-28.7	-	-	-	-
L2448220-06	UNUSED CAN #2769	02059	Flow 1	08/19/24	480879		-	-	-	Pass	72	70	3
L2448220-06	UNUSED CAN #2769	2769	2.7L Can	08/19/24	480879	L2445906-01	Pass	-29.5	-28.9	-	-	-	-

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

Lab Number: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/24 18:46
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2445437**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2445437-01

Date Collected: 08/10/24 13:00

Client ID: CAN 480 SHELF 15

Date Received: 08/12/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	104		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	81		60-140

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

Lab Number: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:

Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/24 18:46
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445437
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445437-01
Client ID: CAN 480 SHELF 15
Sample Location:

Date Collected: 08/10/24 13:00
Date Received: 08/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2445437**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results****Lab ID:** L2445437-01**Date Collected:** 08/10/24 13:00**Client ID:** CAN 480 SHELF 15**Date Received:** 08/12/24**Sample Location:****Field Prep:** Not Specified**Sample Depth:**

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	104		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140



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

Lab Number: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/14/24 18:50
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2445906**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2445906-01

Date Collected: 08/13/24 11:00

Client ID: CAN 407 SHELF 20

Date Received: 08/14/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	103		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	85		60-140

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

Lab Number: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/14/24 18:50
Analyst: JFI

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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: L2445906
Report Date: 08/30/24

Air Canister Certification Results

Lab ID: L2445906-01
Client ID: CAN 407 SHELF 20
Sample Location:

Date Collected: 08/13/24 11:00
Date Received: 08/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.100	--	ND	0.518	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2445906**Project Number:** CANISTER QC BAT**Report Date:** 08/30/24**Air Canister Certification Results**

Lab ID: L2445906-01

Date Collected: 08/13/24 11:00

Client ID: CAN 407 SHELF 20

Date Received: 08/14/24

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
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	103		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	92		60-140



Project Name: OZONE NY
Project Number: 60671903

Serial_No:08302411:30
Lab Number: L2448220
Report Date: 08/30/24

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2448220-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2448220-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2448220-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2448220-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2448220-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()
L2448220-06A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

GLOSSARY

Acronyms

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

Report Format: Data Usability Report



Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report



Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

Data Qualifiers

- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: OZONE NY
Project Number: 60671903

Lab Number: L2448220
Report Date: 08/30/24

REFERENCES

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

LIMITATION OF LIABILITIES

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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 21

Published Date: 04/17/2024

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Certification Information

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

Westborough Facility**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625.1:** alpha-Terpineol**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Nonpotable Water: **EPA RSK-175 Dissolved Gases****Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

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

Client Information

Client: AECOM

Address: 250 Apollo Drive
Chelmsford MA 01824

Phone: 781-576-9312

Fax:

Email: Sean.H.Matthew.Pearsall@aecom.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Ozone NY

Project Location: 100th St Queens

Project #: 6057976

Project Manager: Matthew Pearsall

ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Date Rec'd in Lab: 8-22-24

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)

Matthew Pearsall

ALPHA Job #: L2448220

Billing Information

☐ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 APH	Fixed Gases	Sulfides		Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
48220 -01	MP-155-SS	8/20/24	1725	1756	-29.53	-5.77	SV	SH	2.7	2613	0494	X						
-02	MP-125-SS	8/20/24	1810	184	-29.72	-13.91	SV	SH	2.7	352	0101	X						
-03	MW-85-SS	8/20/24	1751	1821	-29.62	-8.90	SV	SH	2.7	452	02326	X						
-04	MW-65-SS	8/20/24	1750	1817	-29.61	-5.14	SV	SH	2.7	372	0280	X						

*SAMPLE MATRIX CODES

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

Container Type

CS

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

Relinquished By:

Date/Time

Received By:

Date/Time:

Sean H. Pearsall
Matthew Pearsall
Matthew Pearsall
Matthew Pearsall

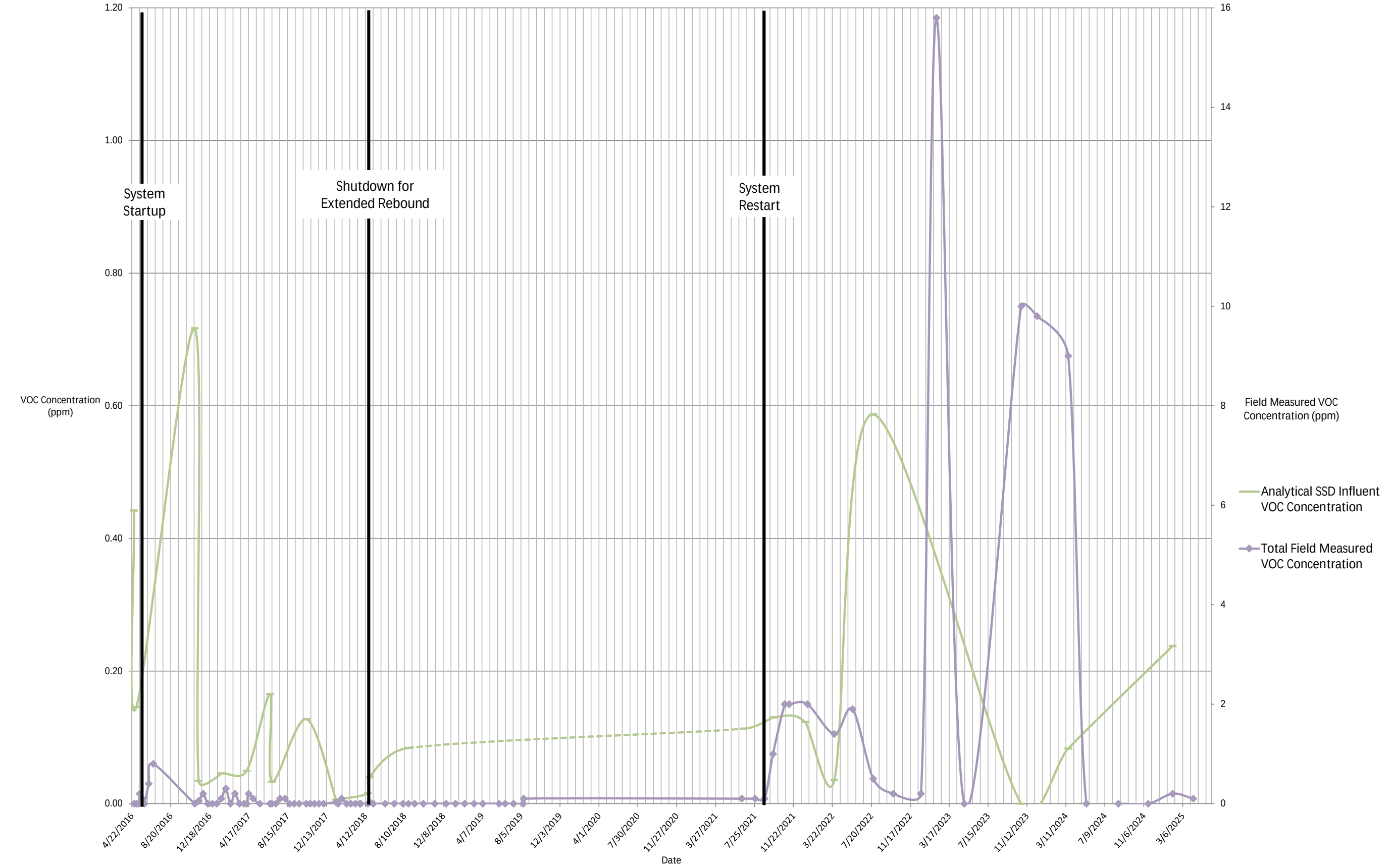
8/21/24 1200
8-22-24 15:00
8/22/24 1930
8/22/24 2145

David Davis
David Davis
David Davis
Harrah Jule

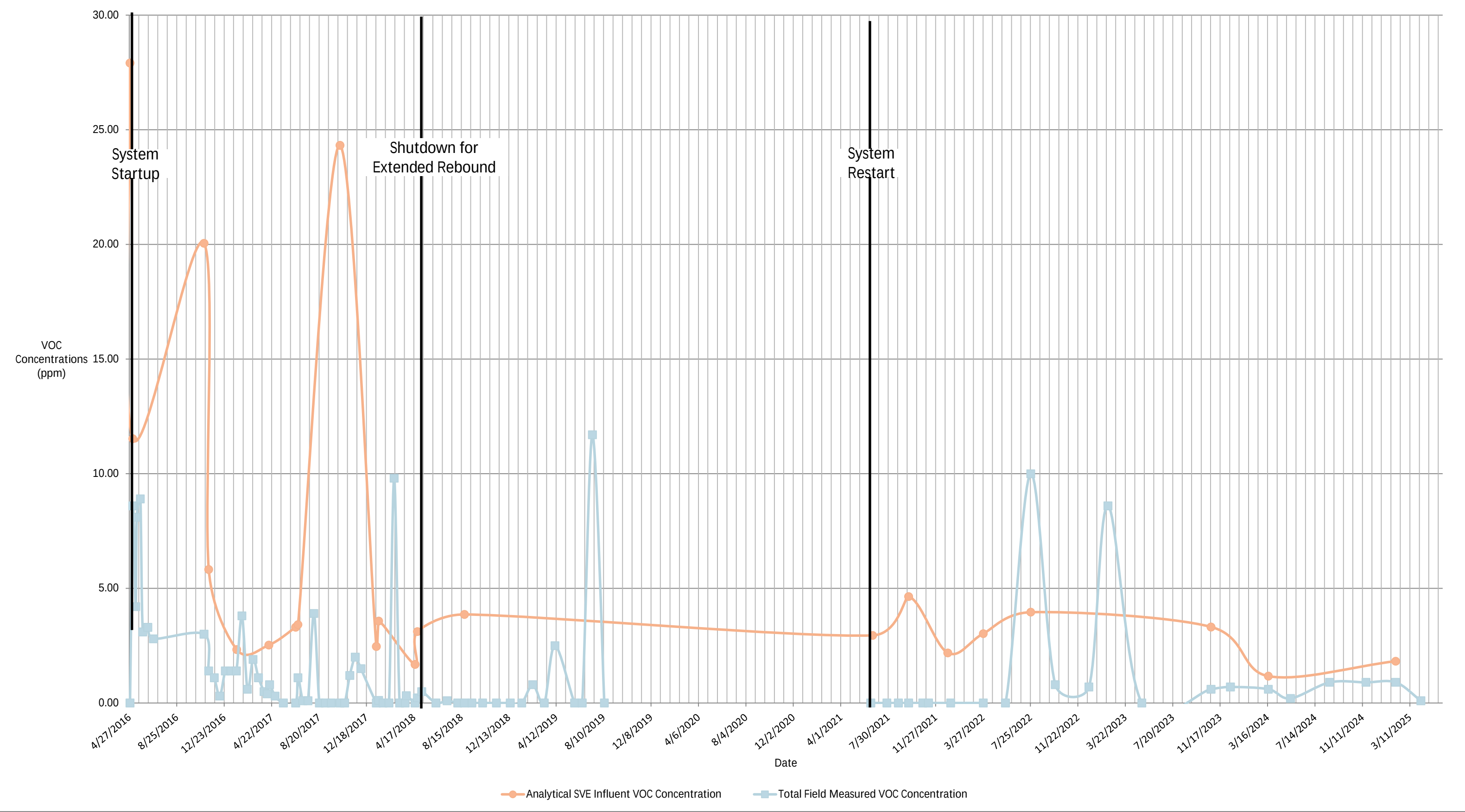
8-22-24 13:30
8/22/24 1500
8/22/24 1530
8-22-24 2145

Appendix C
Graphs depicting VOCs Screening and Lab Results – SSD and SVE
Systems

Influent SSD VOC Concentrations (ppm) - field screening and laboratory results



Influent SVE VOC Concentrations (ppm) - field screening and laboratory results



Appendix D

Air Sampling Field Forms

Project Name: <u>OZONE</u>		Sample ID: <u>Bay-14-IA</u>
Recorded By: <u>Sean Hagggett</u>		Sampling Date: <u>8/20/24</u>
Client: <u>Sean Hagggett</u>		General Weather Conditions: <u>Sunny 80's</u>
Indoor Air / Ambient Air Sample		
Sample Location: <u>Bay-14</u>		
Ambient Temperature and Barometric Pressure (if available): <u>80's</u>		
Vacuum Gauge ID: <u>-</u>		
Flow Controller ID: <u>0326</u>		
Canister ID: <u>3636</u>		
Sample Height: <u>3ft</u>		
Canister Volume: <u>6L</u>		
Laboratory Recorded Pressure of Canister: <u>-30</u> (Canister Label/Tag - From Laboratory)		
Sample Start Time: <u>1126</u>	Initial Vacuum Gauge Reading: <u>-29.98</u>	
Sample Check Time: <u>1405</u>	Vacuum Gauge Reading: <u>-18.82</u>	
Sample Check Time: <u>1550</u>	Vacuum Gauge Reading: <u>-14.22</u>	
Sample Check Time: _____	Vacuum Gauge Reading: _____	
Sample End Time: <u>1738</u>	Final Vacuum Gauge Reading: <u>-9.18</u>	
Shipping Date: _____		
Notes		

Project Name: <u>Ozone</u>	Sample ID: <u>Bay-12-IA</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>
Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay-12</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>01295</u>	
Canister ID: <u>2897</u>	
Sample Height: <u>3ft</u>	
Canister Volume: <u>6L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>1010</u>	Initial Vacuum Gauge Reading: <u>-30.05</u>
Sample Check Time: <u>1205</u>	Vacuum Gauge Reading: <u>-22.64</u>
Sample Check Time: <u>1421</u>	Vacuum Gauge Reading: <u>-15.32</u>
Sample Check Time: <u>1603</u>	Vacuum Gauge Reading: <u>-10.03</u>
Sample End Time: <u>1728</u>	Final Vacuum Gauge Reading: <u>-6.13</u>
Shipping Date: _____	
Notes	

Project Name: <u>Ozone</u>		Sample ID: <u>Bay-15-1A</u>	
Recorded By: <u>SH</u>		Sampling Date: <u>8/20/24</u>	
Client:		General Weather Conditions: <u>Sunny 80's</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>Bay-15</u>			
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>			
Vacuum Gauge ID: <u>-</u>			
Flow Controller ID: <u>01929</u>			
Canister ID: <u>973</u>			
Sample Height: <u>3ft</u>			
Canister Volume: <u>6L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>1017</u>		Initial Vacuum Gauge Reading: <u>-29.87</u>	
Sample Check Time: <u>1206</u>		Vacuum Gauge Reading: <u>-23.94</u>	
Sample Check Time: <u>1422</u>		Vacuum Gauge Reading: <u>-16.33</u>	
Sample Check Time: <u>1610</u>		Vacuum Gauge Reading: <u>-10.64</u>	
Sample End Time: <u>1723</u>		Final Vacuum Gauge Reading: <u>-6.28</u>	
Shipping Date: _____			
Notes			

Project Name: <u>Ozone</u>	Sample ID: <u>Bay-13-IA</u>
Recorded By: <u>Sean Huggitt</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>

Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay-13</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>	
Vacuum Gauge ID: _____	
Flow Controller ID: <u>0766</u>	
Canister ID: <u>633</u>	
Sample Height: <u>3ft</u>	
Canister Volume: <u>6L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>1100</u>	Initial Vacuum Gauge Reading: <u>-30.02</u>
Sample Check Time: <u>1215</u>	Vacuum Gauge Reading: <u>-26.34</u>
Sample Check Time: <u>1410.</u>	Vacuum Gauge Reading: <u>-20.31</u>
Sample Check Time: <u>1555</u>	Vacuum Gauge Reading: <u>-14.94</u>
Sample End Time: <u>1800</u>	Final Vacuum Gauge Reading: <u>-8.32</u>
Shipping Date: _____	

Notes

Project Name: <u>Ozone</u>	Sample ID: <u>~~IA~~ Bay-10-IA</u>
Recorded By: <u>Sean Hoggett</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>80°F</u>

Indoor Air / Ambient Air Sample

Sample Location: <u>Bay-10</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>0133</u>	
Canister ID: <u>2920</u>	
Sample Height: <u>3ft</u>	
Canister Volume: <u>6L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>~~29.8~~ 0956</u>	Initial Vacuum Gauge Reading: <u>-29.8</u>
Sample Check Time: <u>1210</u>	Vacuum Gauge Reading: <u>-22.85</u>
Sample Check Time: <u>1412</u>	Vacuum Gauge Reading: <u>-16.58</u>
Sample Check Time: <u>1557</u>	Vacuum Gauge Reading: <u>-11.55</u>
Sample End Time: <u>1742</u>	Final Vacuum Gauge Reading: <u>-6.68</u>
Shipping Date: _____	

Notes

Project Name: <u>Ozone</u>	Sample ID: <u>Bay-11-IA</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>80's</u>

Indoor Air / Ambient Air Sample

Sample Location: Bay-11

Ambient Temperature and Barometric Pressure (if available): 80°F

Vacuum Gauge ID: -

Flow Controller ID: 01659

Canister ID: 3325

Sample Height: 3ft

Canister Volume: 6L

Laboratory Recorded Pressure of Canister: -29.4 (Canister Label/Tag - From Laboratory)

Sample Start Time: <u>0959</u>	Initial Vacuum Gauge Reading: <u>-29.89</u>
Sample Check Time: <u>1211</u>	Vacuum Gauge Reading: <u>-23.27</u>
Sample Check Time: <u>1412</u>	Vacuum Gauge Reading: <u>-16.90</u>
Sample Check Time: <u>1558</u>	Vacuum Gauge Reading: <u>-11.74</u>
Sample End Time: <u>1752</u>	Final Vacuum Gauge Reading: <u>-5.84</u>

Shipping Date: _____

Notes

Project Name: <u>Ozone</u>	Sample ID: <u>MP-1S-SS</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/25</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>

Indoor Air / Ambient Air Sample

Sample Location: <u>Bay-15</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>	
Vacuum Gauge ID: <u>~</u>	
Flow Controller ID: <u>6494</u>	
Canister ID: <u>2693</u>	
Sample Height: <u>-6"</u>	
Canister Volume: <u>3L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.6</u>	(Canister Label/Tag - From Laboratory)
Sample Start Time: <u>~~525~~ 1725</u>	Initial Vacuum Gauge Reading: <u>-29.53</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample Check Time: <u>1740</u>	Vacuum Gauge Reading: <u>-18.31</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample End Time: <u>1756</u>	Final Vacuum Gauge Reading: <u>-5.77</u>
Shipping Date: _____	

Notes

Project Name: <u>OZON</u>	Sample ID: <u>MW-65-55</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>
Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay -10</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>0280</u>	
Canister ID: <u>372</u>	
Sample Height: <u>-6"</u>	
Canister Volume: <u>2.7L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.6</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>1750</u>	Initial Vacuum Gauge Reading: <u>-29.61</u>
Sample Check Time: <u>1812</u>	Vacuum Gauge Reading: <u>-12.82</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample End Time: <u>~~1820~~ 1817</u>	Final Vacuum Gauge Reading: <u>-5.14</u>
Shipping Date: _____	
Notes	

Project Name: <u>Ozone</u>	Sample ID: <u>~~IA~~ Bay-8-IA</u>
Recorded By: <u>Sean Haggitt</u>	Sampling Date: <u>8/20/24</u>
Client: <u></u>	General Weather Conditions: <u>Sunny 80's</u>

<u>Indoor Air</u> / Ambient Air Sample	
Sample Location: <u>Bay 8</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°</u>	
Vacuum Gauge ID: <u>2291</u>	
Flow Controller ID: <u>0729</u>	
Canister ID: <u>2291</u>	
Sample Height: <u>3ft</u>	
Canister Volume: <u>6L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>0942</u>	Initial Vacuum Gauge Reading: <u>-29.99</u>
Sample Check Time: <u>1200</u>	Vacuum Gauge Reading: <u>-22.79</u>
Sample Check Time: <u>1418</u>	Vacuum Gauge Reading: <u>-15.65</u>
Sample Check Time: <u>1646</u>	Vacuum Gauge Reading: <u>-8.65</u>
Sample End Time: <u>1735</u>	Final Vacuum Gauge Reading: <u>-6.76</u>
Shipping Date: _____	
Notes	

Project Name: <u>Ozone</u>	Sample ID: <u>Outdoor Air - Bay-14</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>
Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay-14/15 outdoor on 99th st</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>0945</u>	
Canister ID: <u>3148</u>	
Sample Height: <u>3ft</u>	
Canister Volume: <u>6L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>1106</u>	Initial Vacuum Gauge Reading: <u>-30.00</u>
Sample Check Time: <u>1220</u>	Vacuum Gauge Reading: <u>-25.34</u>
Sample Check Time: <u>1420</u>	Vacuum Gauge Reading: <u>-20.07</u>
Sample Check Time: <u>1604</u>	Vacuum Gauge Reading: <u>-14.38</u>
Sample End Time: <u>1846</u>	Final Vacuum Gauge Reading: <u>-6.15</u>
Shipping Date: _____	
Notes	

Project Name: <u>Ozone</u>	Sample ID: <u>MW-85-55</u>
Recorded By: <u>SA</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>80°F</u>

Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay - 11</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80's</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>02326</u>	
Canister ID: <u>452</u>	
Sample Height: <u>-6"</u>	
Canister Volume: <u>2.7L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u>	(Canister Label/Tag - From Laboratory)
Sample Start Time: <u>1751</u>	Initial Vacuum Gauge Reading: <u>-29.63</u>
Sample Check Time: <u>1810</u>	Vacuum Gauge Reading: <u>-17.16</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample End Time: <u>1821</u>	Final Vacuum Gauge Reading: <u>-8.90</u>
Shipping Date: _____	

Notes

Bay 13

Project Name: <u>Ozone</u>	Sample ID: <u>~~MP-125-SS~~ Bay 13</u>
Recorded By: <u>SH</u>	Sampling Date: <u>8/20/24</u>
Client:	General Weather Conditions: <u>Sunny 80's</u>

Indoor Air / Ambient Air Sample

Sample Location: <u>Bay-13</u>	
Ambient Temperature and Barometric Pressure (if available): <u>80°F</u>	
Vacuum Gauge ID: <u>-</u>	
Flow Controller ID: <u>01101</u>	
Canister ID: <u>352</u>	
Sample Height: <u>-6"</u>	
Canister Volume: <u>2.7L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.5</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>~~1800~~ 1810</u>	Initial Vacuum Gauge Reading: <u>-29.72</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample Check Time: <u>~~1815~~ 1825</u>	Vacuum Gauge Reading: <u>~~-22.15~~</u>
Sample Check Time: _____	Vacuum Gauge Reading: _____
Sample End Time: <u>1840</u>	Final Vacuum Gauge Reading: <u>-13.41</u>
Shipping Date: _____	

Notes