



Prepared for:
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Ozone Park, NY

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Former Ozone Industries, Inc. Site, Ozone Park, Queens New York

NYSDEC Site Number: 2-41-033

January 2021 Progress Report: July 2020 through December 2020

A handwritten signature in black ink, appearing to read "Raimundo Matos", is positioned above a horizontal line.

Reviewed by Raimundo Matos, PG

A handwritten signature in black ink, appearing to read "David Austin", is positioned above a horizontal line.

Reviewed by David Austin, PG

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1. Introduction

On behalf of Endzone Inc. (Endzone), AECOM Technical Services, Inc. (AECOM) has prepared this semi-annual Progress Report summarizing results of monitoring activities conducted during the shut-down period 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 Progress Report covers the six-month period from July 1, 2020 through December 31, 2020.

This Progress Report summarizes sampling conducted in accordance with the AECOM Work Plan dated August 21, 2019 (approved by NYSDEC on October 30, 2019) (“October 2019 work plan”) and per subsequent conversations with NYSDEC in October 2020. The Progress Report includes the following activities:

1. Groundwater, off-site soil gas and on-site indoor air sampling in August 2020; and
2. On-site soil gas and indoor air, and off-site soil gas sampling in November 2020.

Since shut-off of the remedial systems in July 2019, the sampling events completed in August and November 2020 consisted of:

- the fifth (5th) round of groundwater sampling and analyses;
- the fifth (5th) and sixth (6th) rounds of soil gas (outside of Bays or off-site) sampling and analyses;
- the fourth (4th) and fifth (5th) rounds of sampling indoor ambient air (on-site in the Bays); and
- the third (3rd) and fourth (4th) rounds of soil gas or sub-slab sampling and analyses in the Bays (on-site).

The number of rounds completed for each media is based on the fact that some sampling was conducted in August 2019 prior to the October 2019 work plan being finalized and missing one round due to the current pandemic (e.g., February 2020 soil gas samples from inside of the Bays). In addition, based upon the results of the August 2020 sampling and subsequent discussions with NYSDEC, an additional round of sampling was conducted in November 2020 (soil gas [off-site and inside the Bays] and ambient air within the Bays or on-site). The August and November 2020 sampling events reported herein were conducted by Clean Globe Environmental (Clean Globe) under sub-contract to AECOM. The results are discussed below.

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 **Figure 1**). The site is located across the street from 101-32 101st Street, the location of the former Ozone Industries facility.

All the data included in this report has been submitted electronically to the NYSDEC website. The data is pending approval for its final upload to the NYSDEC EQulS system.

The October 2019 work plan provided for this work updated the July 2016 Interim Site Management Plan (ISMP) for the site, as approved by NYSDEC on September 8, 2016, and was meant to provide a path to site closure. This work was discussed with NYSDEC in July and August 2019, and was summarized in an e-mail to NYSDEC from AECOM on August 7, 2019. The results of the work presented herein supplements the extensive site monitoring testing conducted during previous system shut offs and rebound testing (four over an approximate year). The SVE and SSD influent levels from multiple reporting periods were similar or “flat” after decreasing from higher levels in 2016, thus the rebound testing. The purpose of the rebound testing was to assess conditions after an extended time of system shut off per NYSDEC.

2. SVE/SSD Operation and Maintenance

The SVE/SSDS remedial system was shut-down in July 2019 and was off during this reporting period to monitor rebound pursuant to the approved October 2019 work plan. Thus, no Operation & Maintenance of the remedial system (i.e. monthly system checks and/or quarterly system VOC air sampling) was performed during this reporting period and thus no system operation data is reported. AECOM has communicated to NYSDEC multiple times that the system remains off, although an official request to turn system off has not been submitted or requested by NYSDEC. It is expected that future system operation or final shutdown of the remedial systems or a portion of it (e.g., SVE) will be determined once NYSDEC has reviewed this data and discussed the site with AECOM and Endzone as proposed.

3. August 2020 Groundwater Sampling and Results

This section summarizes the analytical results of groundwater sampling conducted at the site in accordance with the October 2019 work plan which included the fifth (5th) groundwater sampling event (since system shut-off in July 2019) in August 2020 by Clean Globe Environmental (working under sub-contract to AECOM). The following monitoring wells were gauged and sampled in August 2020 (see attached **Figure 1** for monitoring well locations).

- Upgradient wells: PZ-01 and PZ-01D located on 101st Avenue;
- Along 99th Street (next to the site Bays): well PZ-08; and
- Downgradient of the site Bays – on 99th Street: wells PZ-09 (next to Bay 17), PZ-10 (next to Bay 21) and MW-203 (next to Bay 25); and wells MW-201S and MW-201D located on 100th Street.

All the wells were gauged for depth to water prior to sampling. The groundwater monitoring wells were purged and sampled via EPA low-flow methodologies using peristaltic pumps. Upon meeting stabilization parameters, groundwater samples were collected from each well for volatile organic compounds (VOCs) via SW-846 Method 8260B. The groundwater samples were submitted to Alpha Analytical, Inc. (Alpha, Westboro, MA) under chain-of-custody control for VOCs analyses. A Trip Blank, a duplicate sample, matrix spike/matrix spike duplicate (MS/MSD) and an equipment blank were also submitted for VOC analysis as a Quality Assurance/Quality Control (QA/QC) measure.

The groundwater sampling field record forms for the August 2020 groundwater sampling event is provided in **Appendix A**. The laboratory analytical data report for the August 2020 groundwater sampling event is provided in **Appendix C**. The groundwater analytical results are summarized in **Table 1** (with historical results) and attached **Figure 2** depicts trichloroethene (TCE) and tetrachloroethene (PCE) levels in the format requested by NYSDEC for rounds completed between August 2019 and August 2020.

The August 2020 sampling indicated groundwater results consistent with all previous rebound testing rounds.

4. Off-site Soil Gas Sampling

This section summarizes the analytical results of the off-site soil gas sampling events conducted in August and November 2020 in accordance with the October 2019 work plan and subsequent discussions with NYSDEC in October 2020. The purpose of the sampling is to assess the off-site vapor levels with the SVE/SSDS remedial system off.

The following seven (7) off-site soil gas sampling points were sampled: LOC-22, LOC-24, LOC-25, LOC-26, LOC-27, LOC-27B, and LOC-28. These points are located outside/off-site of the Bays around the perimeter of the site, specifically on 99th and 100th Streets. See attached **Figure 1**.

The off-site soil gas samples were collected using 2.7-liter SUMMA canisters for a two-hour sampling period. Prior to sampling, each sampling point was purged to remove stagnant air and to ensure that only air from the surrounding soil was collected. After purging, the soil gas points were screened for VOC using a calibrated Photoionization Detector (PID) to obtain pre-sampling screening data. SUMMA canisters were then connected to the sampling points with flow regulators which were pre-programmed by Alpha for flow rates consistent for a two-hour sampling period. Following the two-hour sampling at each location, the SUMMA canisters were closed and submitted to Alpha under chain-of-custody control and analyzed for VOC via EPA Method TO-15, with the reporting of five (5) VOC constituents only (as approved by NYSDEC): vinyl chloride, trans-1,2-Dichloroethene, cis-1,2-DCE, TCE, and PCE.

4.1 August and November 2020 Off-site Soil Gas Sampling Results

The results of the August and November 2020 soil gas sampling off-site are summarized in **Table 2**. Refer to **Appendices A** and **B** for sampling field record forms. The laboratory analytical data reports are provided in **Appendices C** and **D**. Attached **Figure 3** and **Figure 5** depict the results from the rounds completed between August 2019 and November 2020 in the format requested by NYSDEC.

Notes from the recent sampling events are as follows:

- Levels of PCE, TCE, trans-1,2-dichloroethene and cis-1,2-DCE in the August 2020 sample from the upgradient location (LOC-22) were much higher than previous rounds, and then back to levels consistent with historical results in the subsequent November 2020 sample; and
- In all other locations, the TCE and PCE levels in general were higher in August 2020 compared to other rounds since July 2019, and then slightly lower in November 2020 samples. The August 2020 results were the highest levels detected since the system was off (July 2019), but less than pre-remediation levels.

5. On-site Indoor Ambient Air and Soil Gas Sampling

This section summarizes the analytical results of the ambient air and soil gas samples collected on-site (Bays 8 through 15) in August and November 2020 consistent with the October 2019 work plan and subsequent discussions with NYSDEC. The purpose of the sampling events was to assess potential Vapor Intrusion (VI) and indoor (ambient air) conditions with the SVE/SSDS remedial system off. Soil gas sampling included four on-site soil gas samples in August 2020 collected from the existing vapor monitoring points located within the Bays; and 12 soil gas samples collected in November 2020. The November 2020 soil gas sampling included shallow samples from all 8 Bays and samples from deeper soil gas screening locations where there are well clusters (Bays 9, 11, 12 and 15). The shallow samples are collected from monitoring points installed to a depth of 2 feet below ground surface (bgs); just below the concrete floor and high-density polyethylene (HDEP) liner. The deeper soil gas sample locations are collected from monitoring points installed to a depth of 9 ft bgs (or 30 ft bgs for Bay 12) and typically consist of a 1-foot screen at depth.

The ambient air sampling August and November 2020 in the Bays included eight indoor air samples from within the interior of the Bays, plus one air sample from outside of the Bays (background sample).

The on-site sub-slab soil gas samples were collected for a period of up to 30 minutes with the use of certified clean, 2.7-liter Summa® canisters. Prior to sampling, each sampling point was purged to remove stagnant air and to ensure that only air from the surrounding soil was collected. After purging, the soil gas points were screened for VOC using a calibrated Photoionization Detector (PID) to obtain pre-sampling screening data. SUMMA canisters were then connected to the sampling points with flow regulators which were pre-programmed by Alpha for flow rates consistent for a 30-minute sampling period. Following the 30 minute sampling at each location, the SUMMA canisters were closed and submitted to Alpha under chain-of-custody control and analyzed for VOC via EPA Method TO-15, with the reporting of five (5) VOC constituents only: vinyl chloride, trans-1,2-Dichloroethene, cis-1,2-DCE, TCE, and PCE.

The eight indoor ambient air samples and the one outdoor ambient air sample collected each round were collected for a period of up to eight hours with the use of certified clean, 2.7-liter Summa® canisters. Canisters were labeled with caution signs ("Do not Touch") and situated approximately three to five feet off the ground to represent breathing zones. The outdoor sample was also labeled with a caution sign and situated approximately three to five feet off the ground.

The samples were picked up by the laboratory courier and relinquished under a chain-of-custody for delivery to Alpha Analytical Laboratories in Mansfield, Massachusetts. All the samples were analyzed for VOC analysis via EPA Method TO-15, with the reporting of 5 VOC constituents (vinyl chloride, trans-1,2-dichloroethene, cis-1,2-DCE, TCE, and PCE).

5.1 August and November 2020 On-site (Bays) Indoor Ambient Air Sampling

The August and November 2020 ambient air sampling results are summarized in **Table 3**. Refer to **Appendices A** and **B** for sampling field record forms. The laboratory analytical data reports are provided in **Appendices C** and **D**. Attached **Figure 6** depicts the results from the last four rounds in the format requested by NYSDEC.

The indoor ambient air samples (Bays) did not detect vinyl chloride, trans-1,2-dichloroethene and cis-1,2-DCE. The TCE levels are generally the same over the four (4) rounds (non-detected to low levels) and are similar (same order of magnitude) to the outdoor levels. The PCE levels have generally increased over the four (4) rounds and are similar (same order of magnitude) to the outdoor levels. The highest PCE level detected to date was collected during the August 2020 round: 27.1 micrograms per cubic meter (ug/m³).

As previously reported to NYSDEC, AECOM currently does not believe that the PCE is from the site (Bays).

5.2 August and November 2020 On-site Soil Gas Sampling

The results of the August and November 2020 soil gas or sub-slab sampling within the Bays are summarized in **Table 4**. Refer to **Appendices A** and **B** for sampling field record forms. The laboratory analytical data reports are provided in **Appendices C** and **D**. Attached **Figure 4** and **Figure 5** depict the results from the rounds completed between December 2019 and November 2020 in the format requested by NYSDEC.

Notes from the recent sampling events are as follows:

- In the samples from the four Bays (9, 11, 13 and 15) with the longest history of monitoring, the TCE and PCE levels in general were higher in August 2020 compared to other rounds since 2019, and then slightly lower in November 2020 samples. The August 2020 results were the highest levels detected since the system was off (July 2019), but much less than pre-remediation levels;
- The samples from other Bays (8, 10, 12 and 14) sampled in November 2020, but during previous rounds (except before remediation), indicated similar levels as the shallow samples in the other four Bays discussed above; therefore, not delineating any source area(s) horizontally. The November 2020 results from these Bays were much less than pre-remediation levels; and
- Samples from deeper soil gas screening locations, in November 2020, where there are well clusters (Bays 9, 11, 12 and 15) indicated higher levels than the shallower samples (approximately one round of magnitude higher).

6. Summary and Future Actions

The following conclusions are presented based upon the data:

1. The remedial system VOC influent data suggests that the SVE remedial system has reached the limit of its effectiveness.
2. Groundwater levels at the site continue to be stable through time and are most likely not contributing to the increase in soil gas concentrations detected during the rebound test period.
3. PCE is not a historical site contaminant and appears to be the result of offsite source(s).
4. Site garage Bays are designed for storage only (i.e., not heated and devoid of any plumbing) and not for business or as long-term workspaces; therefore, continuous exposure to soil vapors is not expected for tenants or workers. Indoor ambient air levels are very low, have been consistent over the multiple rounds conducted, and have been similar to outside levels.
5. Site restoration activities included the installation of a vapor barrier and cover system that, based on indoor air data to date, is effective in the migration of VOCs from the subsurface to the inside of the Bays.
6. Other potential sources of VOCs may be present and further investigation to assess conditions at the site and vicinity would possibly be inconclusive.

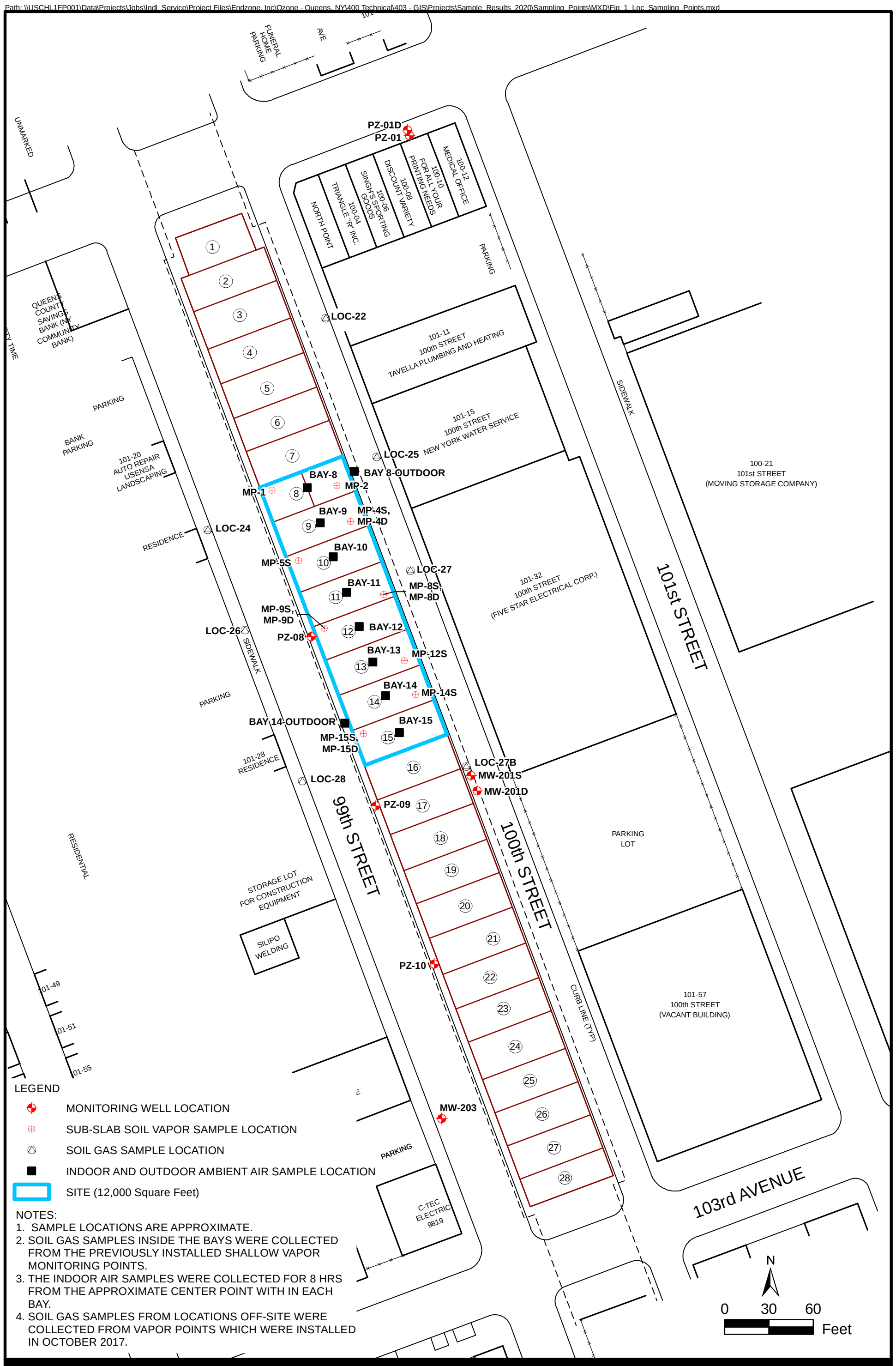
Although we expect discussions with NYSDEC, based on the above conclusions AECOM currently recommends the completion of a Final Engineering Report that includes the shutdown and decommissioning of the SVE system and implementation of Engineering Controls.

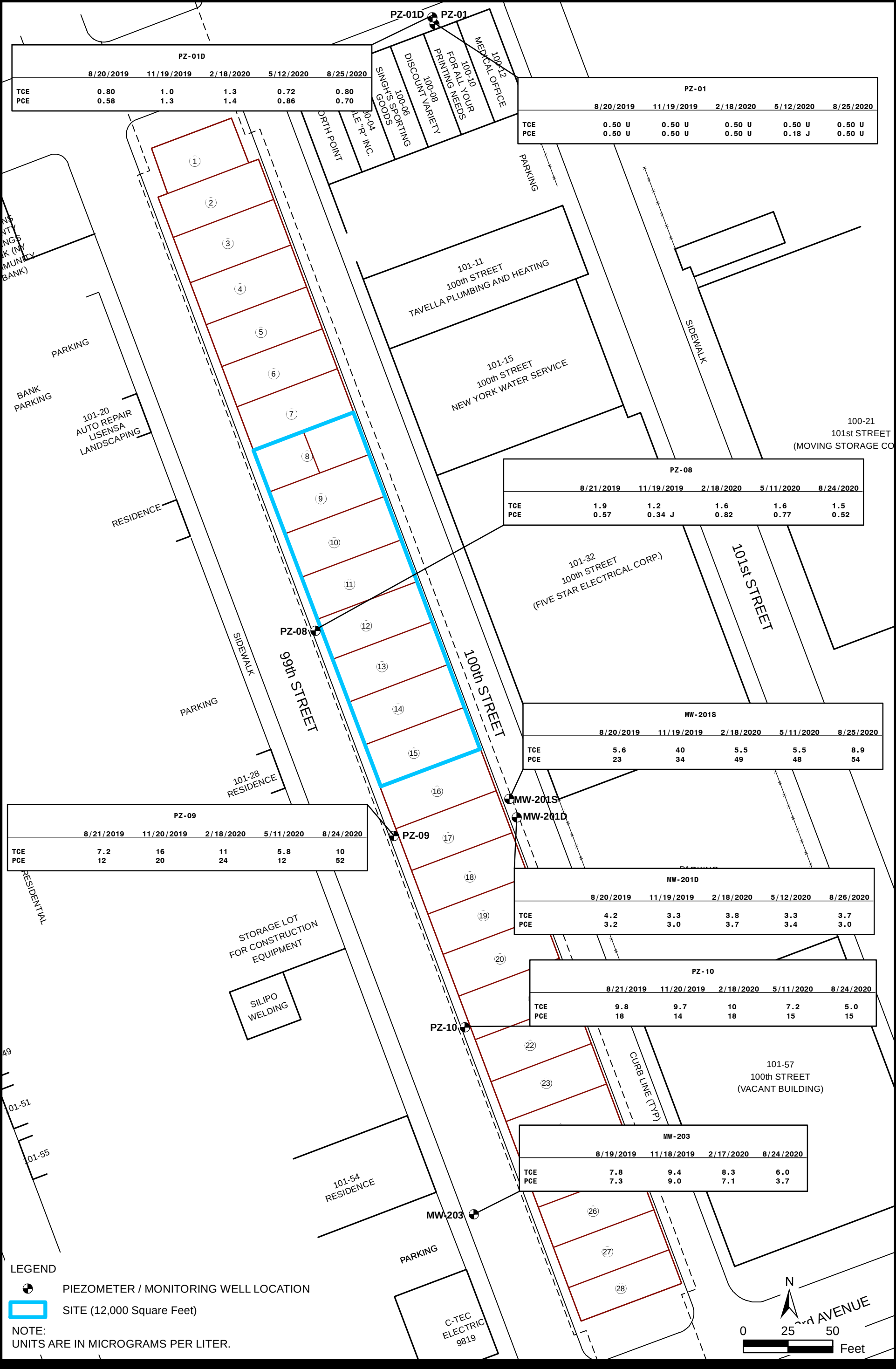
Even though the indoor ambient air levels are very low and the Bays are meant for limited use storage, because remaining impacted soil vapor exists beneath the site, Engineering Controls are expected to be required to protect human health and the environment. The site would have the expected following primary Engineering Controls as part of the Final Engineering Report:

- SSD system - The operation of the SSD system will ensure that subsurface vapors detected at the site do not pose a potential soil vapor intrusion scenario to future Bay occupants; specially because the NYSDEC soil vapor/indoor air vapor intrusion guidance for “no further action” has not been achieved at this time; and
- Institutional Controls - The Final Engineering Report will require that an institutional control be placed on the property to (1) implement, maintain and monitor the Engineering Controls (SSD); and (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination.

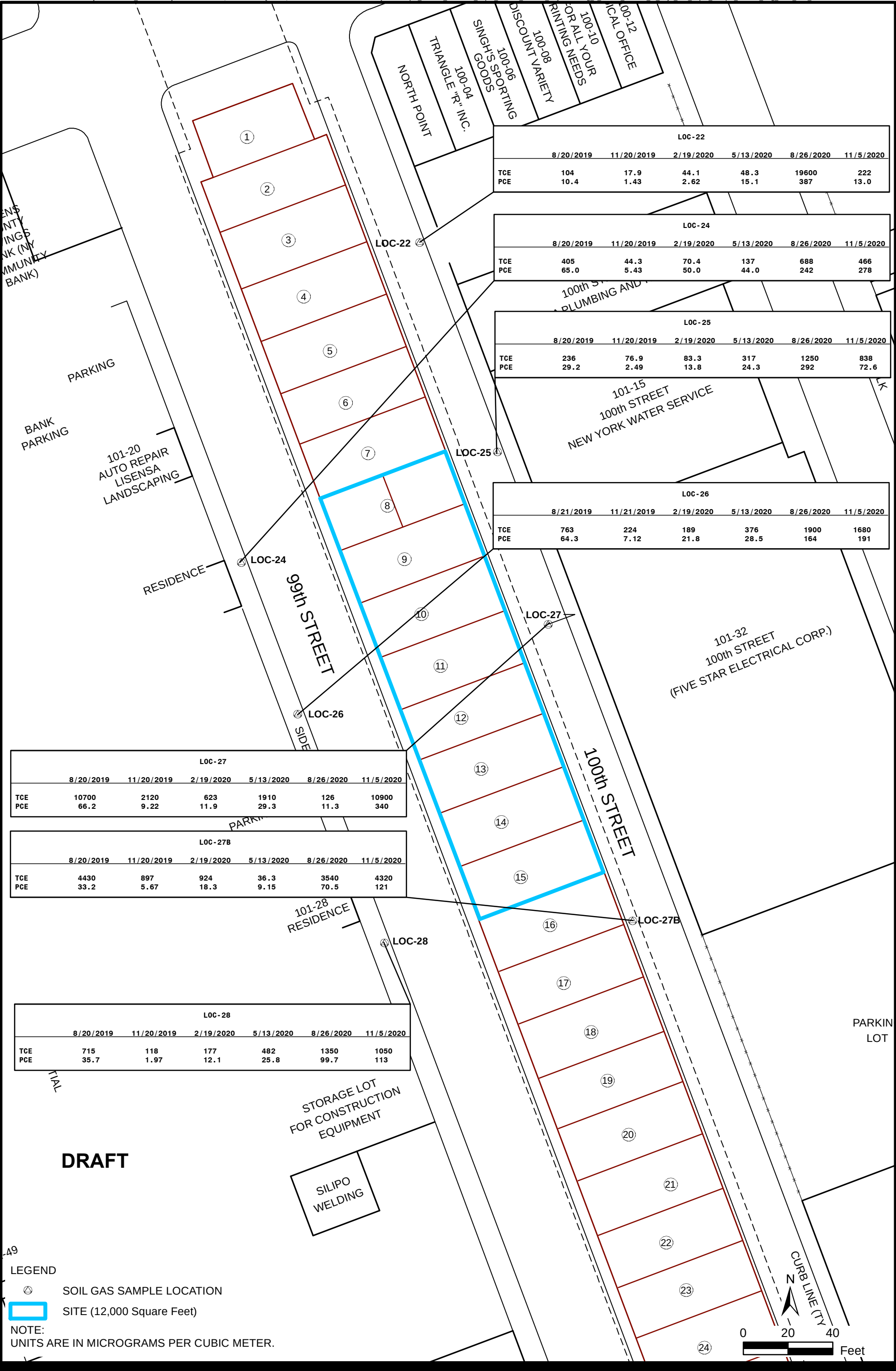
We look forward to discussing the site conditions and path to closure once this information is reviewed by NYSDEC and NYSDOH.

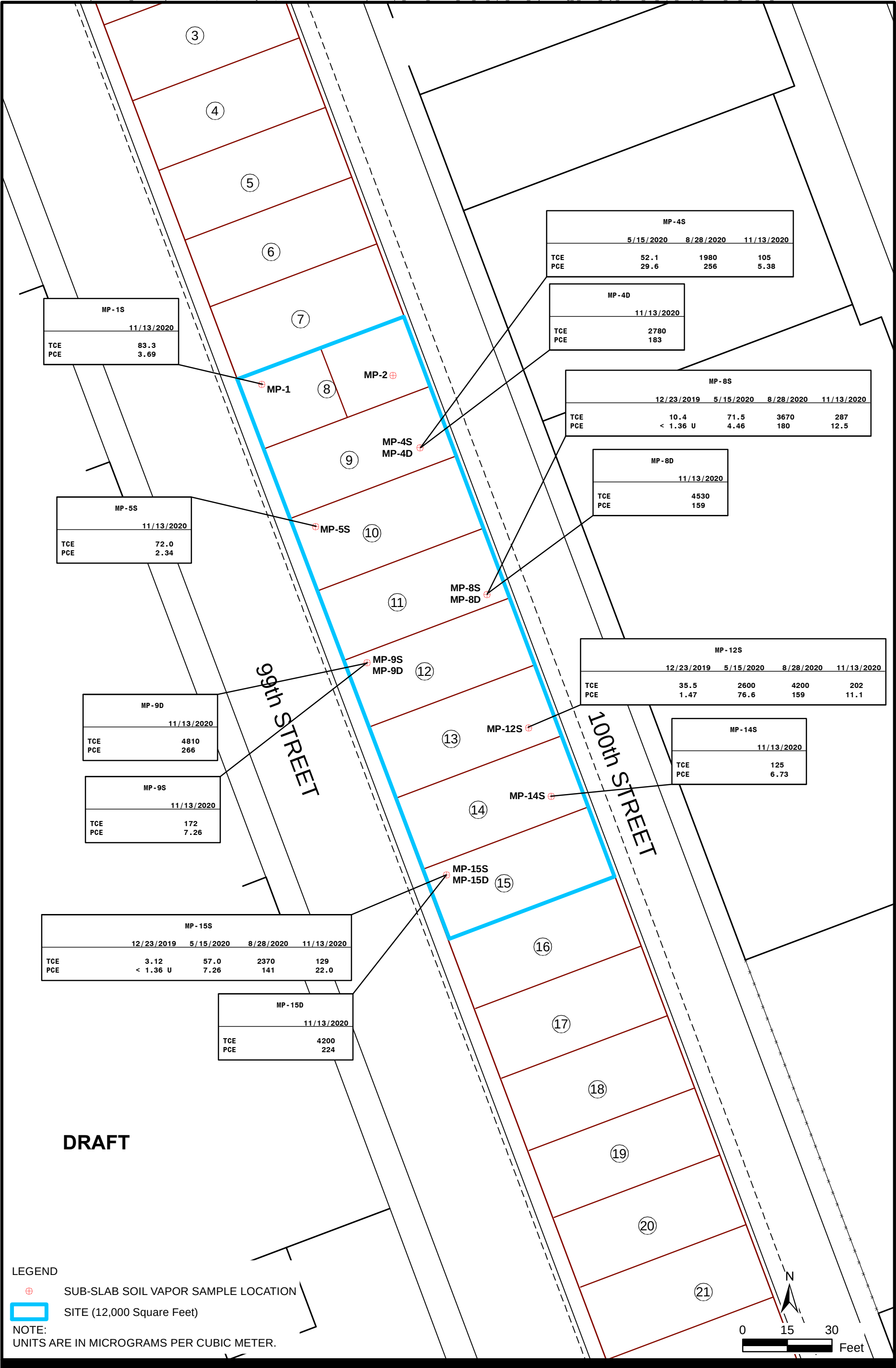
FIGURES

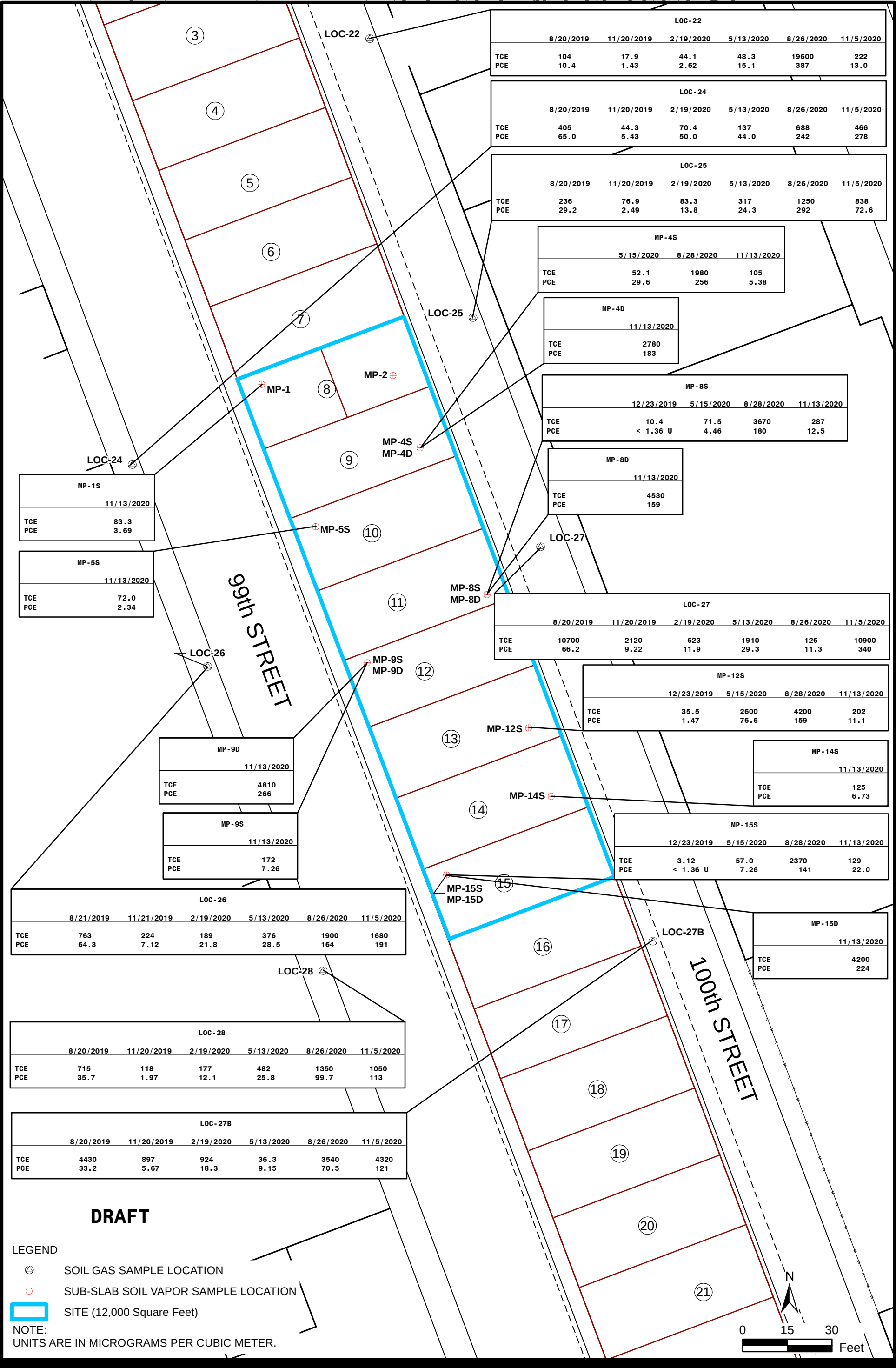




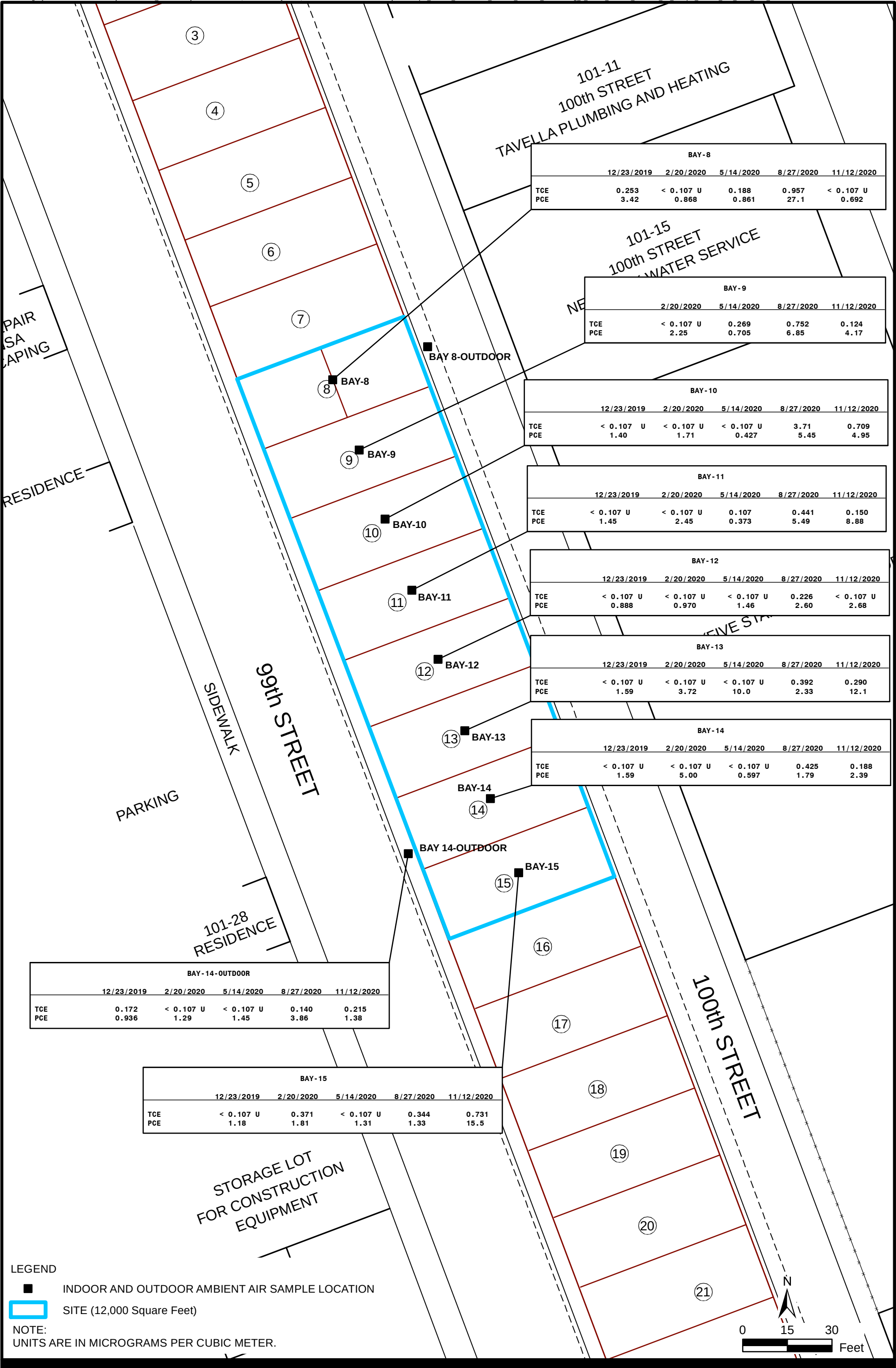
GROUNDWATER SAMPLE RESULTS - AUGUST 2019 THROUGH AUGUST 2020
FORMER OZONE INDUSTRIES, INC.
OZONE PARK, NEW YORK, NY
Project No.: 60527976.4 Date: 2021-01-05







ON-SITE (BAYS) SUB-SLAB SOIL VAPOR SAMPLE RESULTS - DECEMBER 2019 THROUGH NOVEMBER 2020 AND
OFF-SITE (OUTSIDE OF BAYS) SOIL VAPOR SAMPLE RESULTS - AUGUST 2019 THROUGH NOVEMBER 2020
FORMER OZONE INDUSTRIES, INC.
OZONE PARK, NEW YORK, NY
Project No.: 60527976.4 Date: 2021-01-05



TABLES

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			1/19/2005 MW201DGWA1 789859	4/27/2005 MW201DGWA2 810575	8/9/2006 MW201DGWA3 929187	5/11/2016 MW-201DGWA1 05-16 L1614244-06	8/4/2016 MW-201D GWA2 08-16 L1624290-02	12/3/2016 MW-201D GWA3 12-16 L1639436-01	MW-201D 2/15/2017 MW201D-GWA4-02-17 L1704822-01	5/16/2017 MW-201D GWA5 05-17 L1716007-05	8/10/2017 MW-201D 08-17 L1727963-04	2/6/2019 MW-201D-GWA7-020619 L1905246-03	5/21/2019 MW-201D-GWA8-052119 L1921853-02
Analyte	Units	Ambient GW Quality Standard											
VOCS DETECTED													
1,1,1-TRICHLOROETHANE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1 U	1.0 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5				2.0 U	2.0 U	3.1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5				2.5 U	2.5 U	14	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5 U	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.61 J	0.54 J	0.39 J	1.0 J	1.1 J	2.5 U	1.5 J	1.4 J	1.2 J	1.2 J	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	14	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5				2.5 U	2.5 U	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	18	28	20	4.9	5.2	67	6.7	5.4	5.2	4.1	4.2
TOLUENE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	48	44	30	5.7	6.4	77	6.6	6.2	5.3	4.5	4.1
CARBON TETRACHLORIDE	ug/l	5	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-				2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5				2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:

Only compounds which were detected in at least one sample are shown.

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1) June 1998

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			5/21/2019 MW-201D-GWB8-052119 L1921853-03	8/20/2019 MW-201D-GWA9-082019 L1938031-04	8/20/2019 MW-201D-GWB9-082019 L1938031-05	11/19/2019 MW-201D-GWA10-111919 L1956826-06	11/19/2019 MW-201D-GWB10-111919 L1956826-07	2/18/2020 MW-201D-GWA11-021820 L2007652-04	2/18/2020 MW-201D-GWB11-021820 L2007652-05	5/12/2020 MW-201D-GWA12-051220 L2019690-05	5/12/2020 MW-201D-GWB12-051220 L2019690-06
Analyte	Units	Ambient GW Quality Standard									
VOCS DETECTED											
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	2.5 U	1.1 J	1.1 J	0.77 J	0.75 J	0.95 J	0.96 J	0.78 J	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	4.2	3.6	3.2	3.0	3.0	3.6	3.7	2.9	3.4
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.4	4.5	1.2 J	1.2 J
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	4.3	4.0	4.2	3.3	3.2	3.6	3.8	3.2	3.3
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.74 J	0.76 J	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.21 J	0.20 J	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 J	1.1 J	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.8	2.8	1.1 J	1.1 J
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.2 J	2.3 J	0.90 J	0.92 J
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	5.0 J	5.1 J	2.0 J	2.0 J

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			MW-201D 8/26/2020 MW-201D-GWA13-082620 L2035262-07	1/18/2005 MW201SGWA1 789855	4/27/2005 MW201SGWA2 810576	8/9/2006 MW201SGWA3 929184	5/11/2016 MW-201SGWA1 05-16 L1614244-05	8/3/2016 MW-201S GWA2 08-16 L1624178-04	MW-201S 11/22/2016 MW-201S GWA3 11-16 L1638129-03	2/15/2017 MW201S-GWA4-02-17 L1704822-02	2/15/2017 MW201S-GWB4-02-17 L1704822-03	5/16/2017 MW-201S GWA5 05-17 L1716007-04	8/10/2017 DUPLICATE 08-17 L1727963-02
Analyte	Units	Ambient GW Quality Standard											
VOCS DETECTED													
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	1 U	0.51 J	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1 U	1.0 U	1 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	1 U	1.0 U	1 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U				1.3 J	2.4	3.7	4.9	5.5	2.9	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U				14	16	13	14	15	8.6	9.5
2-BUTANONE	ug/l	50	5.0 U	5 U	5.0 U	5 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.87 J	1 U	0.64 J	0.43 J	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.0 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	4.1	5.3	3.1	14	16	13	14	15	8.6	9.5
DICHLOROMETHANE	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U				5.0 U	0.98 J	1.2 J	1.6 J	1.8 J	1.2 J	2.5 U
TETRACHLOROETHENE	ug/l	5	3.0	1.8	2.3	2.7	39	48	54	71	71	96	99
TOLUENE	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	3.7	86	110	71	89	82	87	82	84	32	14
CARBON TETRACHLORIDE	ug/l	5	0.50 U	1 U	1.0 U	1 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U				4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	1 U	1.0 U	1 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	1 U	1.0 U	1 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	1 U	1.0 U	1 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U				5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:
Only compounds which were detected in at least one sample are show
Blank spaced indicated not analyzed.
U = Non-detect at laboratory detection limit.
J = Estimated value.
B = Found in associated blank
D = Concentration recovered in diluted sample.
Ambient GW Quality Standard = NY Ambient Water Quality Standards
Bold value exceeds Ambient GW Quality Standard.
ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			8/10/2017 MW-201S 08-17 L1727963-03	2/6/2019 MW-201S-GWA7-020619 L1905246-02	8/20/2019 MW-201S-GWA9-082019 L1938031-03	11/19/2019 MW-201S-GWA10-111919 L1956826-05	MW-201S 2/18/2020 MW-201S-GWA11-021820 L2007652-03	5/11/2020 MW-201S-GWA12-051120 L2019690-04	8/25/2020 MW201S-GWA13-082520 L2035262-05	8/25/2020 MW201S-GWB13-082520 L2035262-06	MW-203 1/19/2005 MW203GWA1 789860	8/14/2006 MW203GWA3 929976
Analyte	Units	Ambient GW Quality Standard										
VOCS DETECTED												
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1 U	1 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1 U	1 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	7.9	2.2 J	1.1 J	2.3 J	3.4	4.2	5.0	4.8		
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U
CHLOROFORM	ug/l	7	1.7 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.6	1.3
CIS-1,2-DICHLOROETHENE	ug/l	5	7.9	2.2 J	1.1 J	2.3 J	3.4	4.2	5.0	4.8	1 U	1 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U		
TETRACHLOROETHENE	ug/l	5	92	32	23	34	49	48	54	49	1 U	0.43 J
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
TRICHLOROETHENE	ug/l	5	11	5.3	5.6	40	5.5	5.5	8.9	8.2	10	8.3
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1 U	1 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1 U	1 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1 U	1 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1 U	1 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U		

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			5/12/2016 MW-203GWA1 05-16 L1614435-06	8/3/2016 MW-203 GWA2 08-16 L1624178-02	8/3/2016 MW-203 GWB2 08-16 L1624178-07	3/24/2017 MW-203 GWA4 03-17 L1709119-01	5/17/2017 MW-203 GWA 05-17 L1716172-04	MW-203 2/7/2019 MW-203-GWA7-020719 L1905246-11		5/23/2019 MW-203-GWA8-052219 L1921853-10	8/19/2019 MW-203-GWA9-081919 L1938031-02	11/18/2019 MW-203-GWA10-111819 L1956826-02	2/17/2020 MW-203-GWA11-021720 L2007652-02
Analyte	Units	Ambient GW Quality Standard											
VOCS DETECTED													
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.98 J	1.2 J	1.1 J	1.4 J	1.4 J	1.3 J	2.5 U	0.72 J	0.86 J	1.5 J	
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	0.83	2.4	2.6	1.7	1.3	6.6	9.3	7.3	9.0	7.1	
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	8.5	12	13	6.2	5.9	5.1	8.9	7.8	9.4	8.3	
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			MW-203 8/24/2020 MW-203-GWA13-082420 L2035262-02	8/27/1999 PZ1 61650001	8/26/2002 DUP-1W 8/26/2002 0823405A	8/26/2002 PZ-1 8/26/2002 0823402A	4/3/2003 BD-02 4/3/2003 0405910A	4/3/2003 PZ-01 4/3/2003 0405901A	PZ-01						5/11/2016 PZ-01GWA1 05-16 L1614244-01	8/4/2016 PZ-01 GWA2 08-16 L1624290-01	11/21/2016 PZ-01 GWA3 11-16 L1637979-01	2/16/2017 PZ-01-GWA4-02-17 L1704992-02
Analyte	Units	Ambient GW Quality Standard																
VOCS DETECTED																		
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	5.00 UJ	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U									2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	10 U								2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	27	10.0 U	10.0 U	10.0 U	10.0 U	5 U	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	2 BJ	10.0 U	10.0 U	10.0 U	10.0 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	2.3 J	1 J	0.514 J	0.629 J	5.75	5.97	1.1	0.73 J	1	2.5 U	2.4 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U		5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	1 J	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U		5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U									2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	3.7	10 U	0.602 J	0.605 J	5.00 U	0.456 J	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.37 J		
TOLUENE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U		5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	6.0	10 U	5.00 U	5.00 U	5.00 U	0.901 J	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
CARBON TETRACHLORIDE	ug/l	5	0.50 U	10 U	5.00 U	5.00 U	5.00 UJ	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U									2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U						1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U						1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	5.00 U	5.00 U				2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			PZ-01									PZ-01D		
			5/17/2017	8/9/2017	2/6/2019	5/21/2019	8/20/2019	11/19/2019	2/18/2020	5/12/2020	8/25/2020	4/28/2005	8/9/2006	5/12/2016
			PZ-01 GWA 05-17	PZ-01 08-17	PZ-01-GWA7-020619	PZ-01-GWA8-052119	PZ-01-GWA9-082019	PZ-01-GWA10-111919	PZ-01-GWA11-021820	PZ-01-GWA12-051220	PZ-01-GWA13-082520	PZ01DGWA2	PZ01DGWA3	PZ-01DGWA1 05-16
			L1716172-02	L1727753-02	L1905246-04	L1921853-04	L1938031-07	L1956826-04	L2007652-06	L2019690-03	L2035262-04	810602	929188	L1614435-07
Analyte	Units	Ambient GW Quality Standard												
VOCS DETECTED														
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.0 U	1 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	1 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			2.5 U
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	5.0 U
CHLOROFORM	ug/l	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.53 J	1.3	1.2 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			2.5 U
TETRACHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.18 J	0.50 U	0.62 J	0.75 J	0.56
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
TRICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	23	8	0.69
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	1 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U			2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	1 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	1 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.0 U	1 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U			2.5 U

Notes:
Only compounds which were detected in at least one sample are show
Blank spaced indicated not analyzed.
U = Non-detect at laboratory detection limit.
J = Estimated value.
B = Found in associated blank
D = Concentration recovered in diluted sample.
Ambient GW Quality Standard = NY Ambient Water Quality Standards
Bold value exceeds Ambient GW Quality Standard.
ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			PZ-01D										
			8/4/2016 PZ-01D GWA2 08-16 L1624290-03	11/21/2016 PZ-01D GWA3 11-16 L1637979-02	2/16/2017 PZ-01D-GWA4-02-17 L1704992-03	5/17/2017 PZ-01D GWA 05-17 L1716172-03	8/9/2017 PZ-01D 08-17 L1727753-03	2/6/2019 PZ-01D-GWA7-020619 L1905246-05	5/21/2019 PZ-01D-GWA8-052119 L1921853-05	8/20/2019 PZ-01D-GWA9-082019 L1938031-06	11/19/2019 PZ-01D-GWA10-111919 L1956826-03	2/18/2020 PZ-01D-GWA11-021820 L2007652-07	5/12/2020 PZ-01D-GWA12-051220 L2019690-02
Analyte	Units	Ambient GW Quality Standard											
VOCS DETECTED													
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	1.6 J	1.2 J	2.5 U	1.5 J	0.96 J	0.89 J	2.5 U	2.1 J	1.1 J	1.3 J	1.1 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	0.26 J	0.52	0.40 J	1.4	0.37 J	0.81	0.95	0.58	1.3	1.4	0.86
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	0.79	0.73	0.56	1.5	0.98	0.75	0.80	0.80	1.0	1.3	0.72
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID			PZ-01D	PZ-08												
Sample Date			8/25/2020	6/20/2001	8/27/2002	4/3/2003	1/18/2005	4/28/2005	8/11/2006	5/11/2016	5/11/2016	8/3/2016	11/22/2016	2/15/2017	5/16/2017	5/16/2017
Sample ID			PZ-01D-GWA13-082520	PZ-8	PZ-8 8/27/2002	PZ-08 4/3/2003	PZ08GWA1	PZ08GWA2	PZ08GWA3	PZ-08GWA1 05-16	PZ-08GWB1 05-16	PZ-8 GWA2 08-16	PZ-08 GWA3 11-16	PZ08-GWA4-02-17	PZ-08 GWA5 05-17	PZ-08 GWB5 05-17
Lab Sample ID			L2035262-03	06177-03A	0825701A	0405905A	789857	810600	929429	L1614244-02	L1614244-03	L1624178-01	L1638129-04	L1704822-04	L1716007-01	L1716007-02
Analyte	Units	Ambient GW Quality Standard														
VOCS DETECTED																
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	6 J	2.03 J	5.00 U	1 U	0.40 J	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	10 U	0.583 J	0.926 J	1 U	1.0 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U							2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U							2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	10 U	10.0 U	10.0 U	5 U	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	10 U	10.0 U	10.0 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	1.6 J	4 J	0.637 J	1.08 J	1.4	1.9	2.7	1.7 J	1.7 J	1.9 J	1.8 J	0.99 J	1.1 J	1.1 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	82	30.3	55.6	3.4	3.9	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	10 U	5.00 U	1.22 J	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U							2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	0.70	7 J	3.33 J	5.59	1 U	0.74 J	0.32 J	0.21 J	0.18 J	0.52	0.52	1.8	0.42 J	0.47 J
TOLUENE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	10 U	5.00 U	0.349 J	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	0.80	510 D	204 D	395 J	38	40	7	1.5	1.5	3.2	2.2	4.4	1.6	1.7
CARBON TETRACHLORIDE	ug/l	5	0.50 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U							2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	10 U	5.00 U	5.00 U	1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U				1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U				1 U	1.0 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	10 U	5.00 U	5.00 U				2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:

Only compounds which were detected in at least one sample are show

Blank spaced indicated not analyzed.

U = Non-detect at laboratory detection limit.

J = Estimated value.

B = Found in associated blank

D = Concentration recovered in diluted sample.

Ambient GW Quality Standard = NY Ambient Water Quality Standards

Bold value exceeds Ambient GW Quality Standard.

ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID			PZ-08								PZ-09				
Sample Date			8/10/2017	2/6/2019	5/21/2019	8/21/2019	11/19/2019	2/18/2020	5/11/2020	8/24/2020	6/20/2001	8/27/2002	4/3/2003	1/20/2005	4/28/2005
Sample ID			PZ-08 08-17	PZ-08-GWA7-020619	PZ-08-GWA8-052119	PZ-08-GWA9-082119	PZ-08-GWA10-111919	PZ-08-GWA11-021820	PZ-08-GWA12-051120	PZ-08-GWA13-082420	PZ-9	PZ-9 8/27/2002	PZ-09 4/3/2003	PZ09GWA1	PZ09GWA2
Lab Sample ID			L1727963-05	L1905246-07	L1921853-06	L1938031-08	L1956826-08	L2007652-10	L2019690-07	L2035262-08	06177-04A	0825702A	0405906A	789850	810603
Analyte	Units	Ambient GW Quality Standard													
VOCS DETECTED															
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	46	26.9 J	5.00 U	3.4	0.57 J
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	5 J	5.18 J	0.952 J	1 U	1.0 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	10 U	0.634 J	5.00 U	1 U	1.0 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U					
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U					
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10.0 UJ	10.0 U	5 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10.0 UJ	10.0 UJ	5.2 J	10 U
CHLOROFORM	ug/l	7	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	0.83 J	0.72 J	0.93 J	3 J	13.0 J	0.930 J	1.2	0.72 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	460 D	283 D	107	25	4.8
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	0.324 J	5.00 U	1 U	1.0 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	0.638 J	0.375 J	1 U	1.0 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U					
TETRACHLOROETHENE	ug/l	5	0.59	1.4	0.90	0.57	0.34 J	0.82	0.77	0.52	18	23.6 J	6.63	1.5	1.5
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	5.00 UJ	5.00 U	1 U	1.0 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2 J	2.69 J	0.509 J	1 U	1.0 U
TRICHLOROETHENE	ug/l	5	2.0	2.4	2.0	1.9	1.2	1.6	1.6	1.5	2100 D	1180 D	578 J	180	99
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	10 U	5.00 UJ	5.00 U	1 U	1.0 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U					
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	10 U	5.00 UJ	5.00 U	1 U	1.0 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	10 U	5.00 UJ	5.00 U	1 U	1.0 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	5.00 UJ	5.00 U	1 U	1.0 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U				1 U	1.0 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U				1 U	1.0 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	5.00 UJ	5.00 U		

Notes:
 Only compounds which were detected in at least one sample are show
 Blank spaced indicated not analyzed.
 U = Non-detect at laboratory detection limit.
 J = Estimated value.
 B = Found in associated blank
 D = Concentration recovered in diluted sample.
 Ambient GW Quality Standard = NY Ambient Water Quality Standards
 Bold value exceeds Ambient GW Quality Standard.
 ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID			PZ-09											
Sample Date			4/28/2005	8/10/2006	5/12/2016	8/3/2016	11/22/2016	2/15/2017	5/16/2017	8/10/2017	2/6/2019	5/21/2019	8/21/2019	11/20/2019
Sample ID			PZ09GWB1	PZ09GWA3	PZ-09GWA1 05-16	PZ-9 GWA2 08-16	PZ-09 GWA3 11-16	PZ09-GWA4-02-17	PZ-09 GWA5 05-17	PZ-09 08-17	PZ-09-GWA7-020619	PZ-09GWA8-052119	PZ-09-GWA9-082119	PZ-09-GWA10-112019
Lab Sample ID			810604	929182	L1614435-02	L1624178-03	L1638129-05	L1704822-05	L1716007-03	L1727963-06	L1905246-06	L1921853-07	L1938031-09	L1956826-09
Analyte	Units	Ambient GW Quality Standard												
VOCS DETECTED														
1,1,1-TRICHLOROETHANE	ug/l	5	0.51 J	1.7	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.0 U	1 U	3.8 U	7.5 U	1.5 U	1.5 U	3.0 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	1.0 U	1 U	1.2 U	2.5 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5			5.0 U	10 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5			14	25	8.6	27	14	4.1	7.7	5.4	2.0 J	7.2
2-BUTANONE	ug/l	50	5.0 U	5 U	12 U	25 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	10 U	10 U	12 U	25 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.71 J	2.1	6.2 U	12 U	1.7 J	1.6 J	1.4 J	1.5 J	7.2	7.1	12	11
CIS-1,2-DICHLOROETHENE	ug/l	5	5.0	14	14	25	8.6	27	14	4.1	7.7	5.4	2.0 J	7.2
DICHLOROMETHANE	ug/l	5	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5			6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	1.2	1.2	190	270	100	280	180	64	41	32	12	20
TOLUENE	ug/l	5	1.0 U	0.36 J	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	98	110	25	54	14	64	48	6.6	7.6	11	7.2	16
CARBON TETRACHLORIDE	ug/l	5	1.0 U	1 U	1.2 U	2.5 U	0.50 U	0.19 J	1.0 U	0.16 J	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-			5.0 U	10 U	2.0 U	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	1.0 U	1 U	1.2 U	2.5 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	1.0 U	1 U	1.2 U	2.5 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	1.0 U	1 U	6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5			6.2 U	12 U	2.5 U	2.5 U	5.0 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:
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 U = Non-detect at laboratory detection limit.
 J = Estimated value.
 B = Found in associated blank
 D = Concentration recovered in diluted sample.
 Ambient GW Quality Standard = NY Ambient Water Quality Standards
 Bold value exceeds Ambient GW Quality Standard.
 ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID			PZ-09			PZ-10									
Sample Date			2/18/2020	5/11/2020	8/24/2020	6/20/2001	8/27/2002	4/3/2003	1/20/2005	8/10/2006	5/12/2016	8/4/2016	11/22/2016	11/22/2016	2/15/2017
Sample ID			PZ-09-GWA11-021820	PZ-09-GWA12-051120	PZ-09-GWA13-082420	PZ-10	PZ-10	PZ-10	PZ10GWA1	PZ10GWA3	PZ-10GWA1 05-16	PZ-10 GWA2 08-16	PZ-10 GWA3 11-16	PZ-10 GWB3 11-16	PZ-10-GWA4-02-17
Lab Sample ID			L2007652-09	L2019690-08	L2035262-09	06177-05A	0825705A	0405907A	789851	929180	L1614435-01	L1624290-04	L1638129-06	L1638129-07	L1704992-01
Analyte	Units	Ambient GW Quality Standard													
VOCS DETECTED															
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	4 J	2.19 J	5.00 U	1 U	2	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	10 U	5.00 U	5.00 U	1 U	1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	10 U	5.00 U	5.00 U	1 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U						2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	7.2	2.2 J	8.4						2.1 J	6.1	1.5 J	1.5 J	2.2 J
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	10 U	10.0 U	10.0 U	5 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	10 U	10.0 U	10.0 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J
CHLOROFORM	ug/l	7	22	14	4.2	10 U	0.550 J	0.977 J	0.75 J	0.81 J	0.83 J	1.1 J	0.89 J	0.88 J	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	7.2	2.2 J	8.4	13	38.8	60.4	3.6	7.5	2.1 J	6.1	1.5 J	1.5 J	2.2 J
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	10 U	5.00 U	5.00 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	3 J	0.521 J	0.462 J	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U						2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	24	12	52	10 U	1.35 J	4.68 J	0.95 J	1.6	24	68	24	24	40
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	10 U	5.00 U	5.00 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	10 U	5.00 U	5.00 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	11	5.8	10	120	253 D	388 J	78	260	6.8	12	8.9	8.8	12
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	10 U	5.00 U	5.00 U	1 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U						2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	10 U	5.00 U	5.00 U	1 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.22 J	0.50 U	0.50 U	10 U	5.00 U	5.00 U	1 U	1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	10 U	5.00 U	5.00 U	1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U				1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U				1 U	1 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	10 U	5.00 U	5.00 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:
 Only compounds which were detected in at least one sample are show
 Blank spaced indicated not analyzed.
 U = Non-detect at laboratory detection limit.
 J = Estimated value.
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 D = Concentration recovered in diluted sample.
 Ambient GW Quality Standard = NY Ambient Water Quality Standards
 Bold value exceeds Ambient GW Quality Standard.
 ug/l = micrograms per liter

Table 1
Groundwater Sample Results 2005 - August 2020
Former Ozone Industries
Queens, NY

Location ID Sample Date Sample ID Lab Sample ID			5/17/2017 PZ-10 GWA5 05-17 L1716172-01	8/10/2017 PZ-10 08-17 L1727963-07	2/7/2019 PZ-10-GWA7-020719 L1905246-09	2/7/2019 PZ-10-GWB7-020719 L1905246-10	5/23/2019 PZ-10-GWA8-052219 L1921853-09	8/21/2019 PZ-10-GWA9-082119 L1938031-10	11/20/2019 PZ-10-GWA10-112019 L1956826-10	2/18/2020 PZ-10-GWA11-021820 L2007652-08	5/11/2020 PZ-10-GWA12-051120 L2019690-09	8/24/2020 PZ-10-GWA13-082420 L2035262-10
Analyte	Units	Ambient GW Quality Standard										
VOCS DETECTED												
1,1,1-TRICHLOROETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5	2.5 U	3.5	0.94 J	0.81 J	2.5 U	0.71 J	2.5 U	0.70 J	2.5 U	2.5 U
2-BUTANONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.75 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.91 J	1.2 J
CIS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	3.5	0.94 J	0.81 J	2.5 U	0.71 J	2.5 U	0.70 J	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
SEC-BUTYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	8.3	34	24	25	27	18	14	18	15	15
TOLUENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	5.2	15	6.4	6.1	10	9.8	9.7	10	7.2	5.0
CARBON TETRACHLORIDE	ug/l	5	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-ETHYLTOLUENE	ug/l	-	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
BENZENE	ug/l	1	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
BROMODICHLOROMETHANE	ug/l	50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
ETHYLBENZENE	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, M&P-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENE, O-	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
XYLENES (TOTAL)	ug/l	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Notes:
Only compounds which were detected in at least one sample are show
Blank spaced indicated not analyzed.
U = Non-detect at laboratory detection limit.
J = Estimated value.
B = Found in associated blank
D = Concentration recovered in diluted sample.
Ambient GW Quality Standard = NY Ambient Water Quality Standards
Bold value exceeds Ambient GW Quality Standard.
ug/l = micrograms per liter

Table 2
Outside Bays - Soil Gas Sample Results (July 2006 - November 2020)
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-22-SG-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-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	1,390	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
LOC-26	SG-26	07/13/2006	4	GS	< 31.9 U	< 49.5 U	226	32,200	761
LOC-26	LOC-26-062217	06/22/2017	8	GS	< 2.56 U	< 3.96 U	5.87	1,500	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	1,680	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 U	< 0.793 U	126	11.3
LOC-27	LOC-27-SG-110520	11/5/2020	8	GS	< 3.25 U	45.2	1290	10,900	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 U	< 1.32 U	< 1.32 U	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	4,320	121
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	1,370	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	1,350	100
LOC-28	LOC-28-SG-110520	11/5/2020	8	GS	< 0.366 U	< 0.567 U	0.936	1,050	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)

Table 3
Ambient Air Sample Results (June 2017 - November 2020)
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	BAY8B-INDOORAIR_122319	12/23/2019	< 0.051 U	< 0.079 U	< 0.079 U	0.253	3.42
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-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	0.167	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	1.44	9.09
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-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-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-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-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-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 U	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-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	0.709	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

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
Inside Bays - Soil Gas Sample Results (July 2005 to November 2020)
Former Ozone Industries, Queens, NY

Location ID	Sample ID	Sample Depth (ft)	Sample Date	Chemical Concentration (ug/m3)				
				VINYL CHLORIDE	TRANS-1,2-DCE	CIS-1,2-DCE	TRICHLOROETHENE	TETRACHLOROETHENE
BAY-8	SG-1_AIR	4	07/19/2005	< 13 U	100	5,500 E	60,000 E	1,400
BAY-8	SG-1-2006	4	08/09/2006	< 12.8 U	159	46,600	675,000	5,000
BAY-8	8B_MP1S_111320	4	11/13/2020	< 0.051 U	0.198	2.25	83.3	3.69
BAY-9	SG-2_AIR	8	07/20/2005	< 13 U	100	5,400 E	40,000 E	620
BAY-9	SG-2-2006	8	08/09/2006	< 1990 U	< 3080 U	3910	104,000	< 5280 U
BAY-9	MP-4S-061517	4	06/15/2017	< 0.511 U	< 0.793 U	1.31	53.7	4.41
BAY-9	BAY 9-MP4S-101117	4	10/11/2017	< 0.511 U	< 0.793 U	0.952	33.8	11.3
BAY-9	BAY 9-MP4S-011118	4	01/11/2018	< 0.511 U	< 0.793 U	1.92	30.4	7.59
BAY-9	BAY 9-MP-4S_041918	4	04/19/2018	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	7.53
BAY-9	BAY 9-MP4S_0511520	4	5/15/2020	< 0.511 U	< 0.793 U	13.3	521	29.6
BAY-9	MP4S-MP4S-082820	4	8/28/2020	< 2.56 U	< 3.96 U	54.7	1,980	256
BAY-9	BAY 9_MP4S_111320	4	11/13/2020	< 0.051 U	0.206	3.89	105	5.38
BAY-9	BAY 9_MP4D_111320	8	11/13/2020	< 0.670 U	1.56	48.8	2,780	183
BAY-10	SG-3_AIR	4	07/20/2005	< 13 U	170	7,900 E	41,000 E	630
BAY-10	SG-3-2006	4	08/08/2006	< 2240 U	< 3470 U	6,520	128,000	< 5940 U
BAY-10	10_MP5S_111320	4	11/13/2020	< 0.051 U	0.492	6.58	72.0	2.34
BAY-11	SG-4_AIR	4	07/22/2005	< 13 U	400	18,000 E	75,000 E	2,400 E
BAY-11	SG-4-2006	4	08/08/2006	< 2240 U	< 3480 U	23,800	346,000	8,300
BAY-11	MP-8S-061517	4	06/15/2017	< 0.511 U	< 0.793 U	6.03	114	7.19
BAY-11	BAY 11-MP8S-101117	4	10/11/2017	< 0.511 U	< 0.793 U	6.38	104	10.0
BAY-11	BAY 11-MP8S-011118	4	01/11/2018	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	3.42
BAY-11	8S_041918	4	04/19/2018	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	6.98
BAY-11	SOILGAS_122319	4	12/23/2019	< 0.511 U	< 0.793 U	2.03	10.4	< 1.36 U
BAY-11	_051520	4	5/15/2020	< 0.511 U	< 0.793 U	8.17	71.5	4.46
BAY-11	BAY11-MP8S-082820	4	8/28/2020	< 5.11 U	< 7.93 U	230	3,670	180
BAY-11	11_MP8S_111320	4	11/13/2020	< 0.102 U	0.896	27.4	287	12.5
BAY-11	11_MP8D_111320	8	11/13/2020	< 1.04 U	7.53	184	4,530	159
BAY-12	SG-5_AIR	4	07/25/2005	< 26 U	2,500	54,000 E	130,000 E	2,300
BAY-12	SS-5-2006	4	08/14/2006	< 63.8 U	1,240	17,800	135,000	11,000
BAY-12	12_MP9S_111320	4	11/13/2020	< 0.051 U	1.16	10.5	172	7.26
BAY-12	12_MP9D_111320	8	11/13/2020	< 1.09 U	7.02	58.7	4,810	266
BAY-13	SG-6_AIR	4	07/25/2005	< 13 U	600	29,000 E	69,000 E	1,900 E
BAY-13	SS-6-2006	4	08/11/2006	< 1100 U	< 1710 U	29,500	363,000	< 2930 U
BAY-13	MP-12S-061517	4	06/15/2017	< 0.511 U	0.856	6.90	164	7.32
BAY-13	101117	4	10/11/2017	< 0.511 U	< 0.793 U	5.04	137	6.27
BAY-13	011118	4	01/11/2018	< 0.511 U	< 0.793 U	< 0.793 U	11.2	< 1.36 U
BAY-13	SOILGAS_122319	4	12/23/2019	< 0.511 U	< 0.793 U	< 0.793 U	35.5	1.47
BAY-13	12S_051520	4	5/15/2020	< 3.66	< 5.67	214	2,600	76.6
BAY-13	082820	4	8/28/2020	< 8.51 U	< 13.2 U	213	4,200	159
BAY-13	13_MP12S_111320	4	11/13/2020	< 0.064 U	0.342	6.70	202	11.1
BAY-14	SS-14	4	08/11/2005	< 64 U	< 99 U	< 99 U	1,500	< 170 U
BAY-14	SS-14-2006	4	08/10/2006	< 208 U	< 322 U	3420	52,700	< 551 U
BAY-14	14_MP14S_111320	4	11/13/2020	< 0.051 U	0.282	2.14	125	6.73
BAY-15	SG-8_AIR	4	07/26/2005	< 26 U	40	3,200	33,000 E	330
BAY-15	SS-8-2006	4	08/10/2006	< 2020 U	< 3130 U	8,910	133,000	< 5350 U
BAY-15	MP-15S-061517	4	06/15/2017	< 0.511 U	< 0.793 U	< 0.793 U	6.61	< 1.36 U
BAY-15	101117	4	10/11/2017	< 0.511 U	< 0.793 U	< 0.793 U	20.5	4.73
BAY-15	101117-2	4	10/11/2017	< 0.511 U	< 0.793 U	< 0.793 U	20.9	3.99
BAY-15	011118	4	01/11/2018	< 0.511 U	< 0.793 U	< 0.793 U	7.74	< 1.36 U
BAY-15	MP15S_041918	4	04/19/2018	< 0.511 U	< 0.793 U	< 0.793 U	< 1.07 U	4.38
BAY-15	SOILGAS_122319	4	12/23/2019	< 0.511 U	< 0.793 U	1.03	3.12	< 1.36 U
BAY-15	051520	4	5/15/2020	< 0.511 U	< 0.793	1.9	57	7.26
BAY-15	082820	4	8/28/2020	< 3.20 U	< 4.96 U	88	2370	141
BAY-15	15_MP15S_111320	4	11/13/2020	< 0.051 U	0.182	2.29	129	22.0
BAY-15	15_MP15D_111320	8	11/13/2020	< 0.930 U	2.53	103	4,200	224

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)

Appendix A
Field Sampling Record Forms - August 2020

Project Name: Ozone Industries	Sample Location: Bay 9
Recorded By: Glen Schrank CGE	Date: 8-28-20
Client: BBA Holdings	Ambient Temp: 81°
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay9-MP-45-082820
Regulator ID:	Regulator ID: 0735
Canister ID:	Canister ID: 188
Purge Flow Rate:	Leak Test Performed (Y/N):
Purge Time:	Initial Differential Pressure:
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.66
Initial Vacuum Gauge Reading:	Sample Start Time: 13:25
Sample Start Time:	Intermediate Vacuum Gauge Reading: -16.37
Intermediate Vacuum Gauge Reading:	Sample Check Time: 13:40
Sample Check Time:	Final Vacuum Gauge Reading: -5.14
Final Vacuum Gauge Reading:	Sample End Time: 13:55
Sample End Time:	Final Differential Pressure:
Notes	
Purge @ 2,000 cc/min 13:12 - 13:17 12.2 ppm before purge 9.1 ppm after purge	

Project Name: Ozone Industries		Sample Location: Bay - 11	
Recorded By: Glen Schrank CGF		Date: 8-28-20	
Client: BBA Holdings		Ambient Temp: 81°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID:		Sample ID: Bay 11-MPBS-082820	
Regulator ID:		Regulator ID: 01924	
Canister ID:		Canister ID: 245	
Purge Flow Rate:		Leak Test Performed (Y/N):	
Purge Time:		Initial Differential Pressure:	
Purge Volume (Calculated):		Initial Vacuum Gauge Reading: -29.57	
Initial Vacuum Gauge Reading:		Sample Start Time: 13:27	
Sample Start Time:		Intermediate Vacuum Gauge Reading: -17.03	
Intermediate Vacuum Gauge Reading:		Sample Check Time: 13:42	
Sample Check Time:		Final Vacuum Gauge Reading: -4.23	
Final Vacuum Gauge Reading:		Sample End Time: 13:57	
Sample End Time:		Final Differential Pressure:	
Notes			
12.2 ppm before purge Purge 13:18 - 13:23 3.1 ppm after purge			

Project Name: Ozone Industries	Sample Location: Bay 13
Recorded By: Glen Schrank CGF	Date: 8-28-20
Client: BBA Holdings	Ambient Temp: 81°
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay13-MPI2S-082820
Regulator ID:	Regulator ID: 01812
Canister ID:	Canister ID: 2196
Purge Flow Rate:	Leak Test Performed (Y/N): ☒
Purge Time:	Initial Differential Pressure:
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.54
Initial Vacuum Gauge Reading:	Sample Start Time: 13:31
Sample Start Time:	Intermediate Vacuum Gauge Reading: -16.60
Intermediate Vacuum Gauge Reading:	Sample Check Time: 13:46
Sample Check Time:	Final Vacuum Gauge Reading: -3.76
Final Vacuum Gauge Reading:	Sample End Time: 14:01
Sample End Time:	Final Differential Pressure:
Notes	
13:02 - NO purge 12.3 ppm 13:03 1 min purge 5.4 ppm 13:04 2 min purge 5.0 ppm 13:06 3 min purge 4.3 ppm 13:07 4 min purge 4.3 13:09 5 min purge 4.1	

Project Name: Ozone Industries	Sample Location: Bay 15
Recorded By: Glen Schrank CGE	Date: 8-28-20
Client: BBA Holdings	Ambient Temp: 81°
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 15-MP15S-082820
Regulator ID:	Regulator ID: 01136
Canister ID:	Canister ID: 529
Purge Flow Rate:	Leak Test Performed (Y/N): ☒
Purge Time:	Initial Differential Pressure:
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.72
Initial Vacuum Gauge Reading:	Sample Start Time: 14:20
Sample Start Time:	Intermediate Vacuum Gauge Reading: -16.61
Intermediate Vacuum Gauge Reading:	Sample Check Time: 14:35
Sample Check Time:	Final Vacuum Gauge Reading: -4.96
Final Vacuum Gauge Reading:	Sample End Time: 14:50
Sample End Time:	Final Differential Pressure:
Notes	
Purge 2,000 cc/min 13:35 - 13:40 6.5 ppm before purge 2.3 ppm after purge	

Low Flow Ground Water Sample Collection Record

Client: BBA Holdings
 Project No: 60527976 Date: 8-25-20 Time: Start 10:40 am/pm
 Site Location: Ozone Park, NY Finish 11:50 am/pm
 Weather Conds: Clear 83° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 48.40 c. Length of Water Column 19.84 (a-b) Screen Depth: _____
 b. Water Table Depth 28.56 d. Casing Diameter/Material 2" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (P.P.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make YSI Model 556 MPS Serial Number 13K102296
HACH 2100 Q 15980C04322T
Geotech Series 2 Drive 0.600 RPM 4000-1166

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Volume Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
11:05	18.60	917	9.17	7.57	147.2	1.01	0.5	100	28.56	Clear/NO
11:10	18.51	940	9.82	7.66	140.5	0.99	1.0	100	28.56	Clear/NO
11:15	18.49	953	9.76	7.68	137.7	0.93	1.5	100	28.56	Clear/NO
11:20	18.44	961	9.92	7.69	135.7	1.28	2.0	100	28.56	Clear/NO
11:25	18.42	960	9.59	7.70	133.0	0.35	2.5	100	28.56	Clear/NO
11:30	18.40	961	9.51	7.70	132.1	0.41	3.0	100	28.56	Clear/NO

d. Acceptance criteria pass/fail

Has required turbidity been reached

Yes ☒ No ☐ N/A ☐

Have parameters stabilized

Yes ☒ No ☐ N/A ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: _____
 Sample ID PZ-01D-GWA13-082520 Container Type (3) 40ml vials No. of Containers 3
 Preservation HCL Analysis Req. VOCs Time 11:45

Comments _____

Signature Glen Schrank Date 8-25-20

Low Flow Ground Water Sample Collection Record

Client: BBA Holdings Date: 8-25-20 Time: Start 11:55 am/pm
 Project No: 60527976 Finish 12:45 am/pm
 Site Location: Ozone Park, NY
 Weather Conds: Clear 83° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 40.75 c. Length of Water Column 12.46 (a-b) Screen Depth: _____
 b. Water Table Depth 28.29 d. Casing Diameter/Material 1" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (p.p.) Well Volume: _____ Purge Volume: _____
 b. Acceptance Criteria defined (see workplan)
 - Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make Model Serial Number
YST 556 MPS 13K102296
HACH 2100Q 15080C043227
Geotech Series 2 Drive 0.600rpm 4000-1166

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed Volume (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
12:00	18.39	903	10.43	6.53	188.0	36.4	0.5	100	28.29	Clear/NO
12:05	18.34	897	10.70	6.48	190.5	19.7	1.0	100	28.30	Clear/NO
12:10	18.34	890	10.63	6.47	190.9	11.4	1.5	100	28.30	Clear/NO
12:15	18.45	891	10.47	6.46	191.1	9.19	2.0	100	28.30	Clear/NO
12:20	18.28	889	10.50	6.46	191.1	5.47	2.5	100	28.30	Clear/NO
12:25	18.24	888	10.49	6.45	191.0	4.11	3.0	100	28.30	Clear/NO

d. Acceptance criteria pass/fail

Has required turbidity been reached

Yes ☒ No ☐ N/A ☐

Have parameters stabilized

Yes ☒ No ☐ N/A ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab
 Sample ID PZ-01GWA13-082520 Container Type (9) 40ml No. of Containers 1
 Preservation HCL Analysis Req. VOCs Time 12:35

Comments MS/MSD Samples Collected from this well

Signature Glen Schrank Date 8-25-20

Low Flow Ground Water Sample Collection Record

Client: BBA Holdings Date: 8-25-20 Time: Start 13:00 am/pm
 Project No: 60527976 Finish 14:15 am/pm
 Site Location: Ozone Park, NY
 Weather Conds: Clear 83° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 33.80 c. Length of Water Column 7.77 (a-b) Screen Depth: _____
 b. Water Table Depth 26.03 d. Casing Diameter/Material 2" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (P.F.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556 MPS	13K102296
HACH	2100Q	15080C043227
Geotech	Series 2 Drive 0.600 RPM	4000-1166

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
13:15	18.81	483	3.32	6.34	194.1	6.40	0.5	100	26.03	Clear NO
13:20	18.40	474	3.25	6.30	191.5	4.78	1.0	100	26.03	Clear NO
13:25	18.22	471	2.93	6.28	186.4	3.29	1.5	100	26.03	Clear NO
13:30	18.34	468	3.01	6.28	181.8	2.18	2.0	100	26.03	Clear NO
13:35	18.30	468	2.94	6.27	179.9	1.49	2.5	100	26.03	Clear NO

d. Acceptance criteria pass/fail

Has required turbidity been reached

Yes No N/A

☒ ☐ ☐

Have parameters stabilized

☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-2015-GWA13-082520	(3) 40 ml vials	HCL	VOCs	13:40	
MW-2015-GWB13-082520	(3) 40 ml vials	HCL	VOCs	14:05	

Comments

Signature

Glen Schrank

Date

8-25-20

Low Flow Ground Water Sample Collection Record

Client: <u>BBA-Holdings</u>	Date: <u>8-26-20</u>	Time: Start <u>13:15</u> am/pm
Project No: <u>60527976</u>		Finish <u>14:15</u> am/pm
Site Location: <u>Ozone Park, NY</u>		
Weather Conds: <u>Clear 73°</u>		Collector(s): <u>Glen Schrank</u>

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 74.30 c. Length of Water Column 48.14 (a-b) Screen Depth: _____
 b. Water Table Depth 26.16 d. Casing Diameter/Material 2" PVC

2. WELL PURGE DATA

a. Purge Method: Low Flow (p.p.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature	±3%	- D.O.	±10% or ± 0.5 mg/l
- pH	± 0.1 unit	- ORP	± 10mV
- Sp. Cond.	±3%	- Drawdown	< 0.3' -Turbidity ±10% for values >1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
<u>YSI</u>	<u>556MPS</u>	<u>150800013K102296</u>
<u>HACH</u>	<u>2100Q</u>	<u>150800043227</u>
<u>Geotech</u>	<u>Series 2 Drive 0.600 rpm</u>	<u>4000-1166</u>

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
13:20	19.74	718	4.77	7.69	158.6	3.24	0.5	100	26.16	Clear/NO
13:25	19.67	719	5.18	7.62	151.4	2.35	1.0	100	26.16	Clear/NO
13:30	19.72	722	4.74	7.60	145.7	0.95	1.5	100	26.16	Clear/NO
13:35	19.80	723	4.83	7.60	143.5	0.65	2.0	100	26.16	Clear/NO
13:40	19.65	726	5.07	7.60	141.2	0.80	2.5	100	26.16	Clear/NO
13:45	19.61	727	4.90	7.60	139.0	0.58	3.0	100	26.16	Clear/NO

d. Acceptance criteria pass/fail Yes No N/A

(continued on back)

Has required turbidity been reached

☒ Yes ☐ No ☐ N/A

Have parameters stabilized

☒ Yes ☐ No ☐ N/A

If no or N/A - Explain below.

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>MW-201D-GWA13-082620 (3) 40ml vials</u>			<u>HCL</u>	<u>VOLs</u>	<u>13:55</u>

Comments _____

Signature

Glen Schrank

Date

8/26/20

Low Flow Ground Water Sample Collection Record

Client: BBA-Holdings Date: 8-24-20 Time: Start 11:20 am/pm
 Project No: 60527976 Finish 12:15 am/pm
 Site Location: Ozone Park, NY
 Weather Conds: Clear 85° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 42.60 c. Length of Water Column 15.29 (a-b) Screen Depth: _____
 b. Water Table Depth 27.31 d. Casing Diameter/Material 1" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (p.p.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
<u>YSI</u>	<u>556 MPS</u>	<u>13K102296</u>
<u>HACH</u>	<u>2100Q</u>	<u>15080C043227</u>
<u>Gentech</u>	<u>Series 2 Drive 0.600 rpm</u>	<u>4000-1166</u>

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
11:25	18.37	978	6.61	8.39	75.7	42.4	0.5	100	27.31	Clear/NO
11:30	18.36	980	5.71	7.49	105.9	27.0	1.0	100	27.31	Clear/NO
11:35	18.25	978	5.61	7.43	110.8	19.4	1.5	100	27.31	Clear/NO
11:40	18.39	978	5.65	7.41	111.8	4.81	2.0	100	27.31	Clear/NO
11:45	18.45	978	6.01	7.38	113.5	4.59	2.5	100	27.31	Clear/NO
11:50	18.43	977	5.98	7.40	113.1	4.13	3.0	100	27.31	Clear/NO

d. Acceptance criteria pass/fail Yes No N/A

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PZ-08GWA13-082426 (3)</u>	<u>40ml vial</u>	<u>3</u>	<u>HCL</u>	<u>50C</u>	<u>12:00</u>

Comments _____

Signature _____

Date _____

8-24-20

Low Flow Ground Water Sample Collection Record

Client: BBA-Holdings Date: 8-24-20 Time: Start 12:30 am/pm
 Project No: 60527976 Finish 13:15 am/pm
 Site Location: Ozone Park, NY
 Weather Conds: Clear 85° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 35.15 c. Length of Water Column 8.48 (a-b) Screen Depth: _____
 b. Water Table Depth 26.67 d. Casing Diameter/Material 1" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (p.p.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556MPS	13K102296
HACH	2100Q	15080C043227
Geotech	Series 2 Drive 0.600 rpm	4000-1166

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
12:35	19.00	973	6.12	7.03	151.0	14.7	0.5	100	26.67	light brown/NO
12:40	18.85	949	5.79	6.75	151.8	4.16	1.0	100	26.67	clear/NO
12:45	18.66	943	5.61	6.65	152.7	2.43	1.5	100	26.67	clear/NO
12:50	18.48	930	5.43	6.59	152.9	1.68	2.0	100	26.67	clear/NO
12:55	18.54	934	5.48	6.54	152.8	0.85	2.5	100	26.67	clear/NO

d. Acceptance criteria pass/fail

Has required turbidity been reached

Have parameters stabilized

If no or N/A - Explain below.

Yes	No	N/A
☒	☐	☐
☒	☐	☐

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
PZ-09-GWA13-082420	(3) 40 ml vials	HCL	VOLs	13:05	

Comments

Signature

Glen Schrank

Date

8-24-20

Low Flow Ground Water Sample Collection Record

Client: <u>BBA Holdings</u>	Date: <u>8-24-20</u>	Time: Start <u>13:15</u> am/pm
Project No: <u>60527976</u>		Finish <u>14:10</u> am/pm
Site Location: <u>Ozone Park, NY</u>		
Weather Conds: <u>Clear 85°</u>	Collector(s): <u>Glen Schrank</u>	

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 41.50 c. Length of Water Column 15.40 (a-b) Screen Depth: _____
 b. Water Table Depth 26.10 d. Casing Diameter/Material 1" PVC

2. WELL PURGE DATA

a. Purge Method: low flow (p.p.) Well Volume: _____ Purge Volume: _____

b. Acceptance Criteria defined (see workplan)

- Temperature	±3%	- D.O.	±10% or ±0.5 mg/l
- pH	±0.1 unit	- ORP	±10mV
- Sp. Cond.	±3%	- Drawdown	< 0.3' -Turbidity ±10% for values >1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
<u>YSI</u>	<u>556MPS</u>	<u>13K102296</u>
<u>HACH</u>	<u>2100Q</u>	<u>15080C043227</u>
<u>Geotech</u>	<u>Series 2 Drive 0.600 rpm</u>	<u>4000-1166</u>

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
13:20	18.23	595	6.08	7.38	118.9	16.5	0.5	100	26.10	Clear/NO
13:25	18.07	583	6.05	7.35	117.4	6.65	1.0	100	26.10	Clear/NO
13:30	17.87	576	6.04	7.33	118.4	5.53	1.5	100	26.10	Clear/NO
13:35	17.98	578	5.92	7.31	118.1	4.48	2.0	100	26.10	Clear/NO
13:40	17.97	580	5.90	7.33	118.7	2.61	2.5	100	26.10	Clear/NO

d. Acceptance criteria pass/fail

Has required turbidity been reached

Yes No N/A

☒ ☐ ☐

Have parameters stabilized

☒ ☐ ☐

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>PZ-10-GWA13-082420</u>	<u>(3) 100a 40ml</u>	<u>HCL</u>	<u>VOCs</u>	<u>13:45</u>	

Comments _____

Signature

Glen Schrank

Date

8-24-20

Low Flow Ground Water Sample Collection Record

Client: BBA-Holdings Date: 8-24-20 Time: Start 14:15 am/pm
 Project No: 60527976 Finish 15:15 am/pm
 Site Location: Ozone Park, NY
 Weather Conds: Clear 85° Collector(s): Glen Schrank

1. WATER LEVEL DATA: (measured from Top of Casing)

a. Total Well Length 44.0 c. Length of Water Column 18.84 (a-b) Screen Depth: _____
 b. Water Table Depth 25.16 d. Casing Diameter/Material 2" PVC

2. WELL PURGE DATA

a. Purge Method: low flow p.p. Well Volume: _____ Purge Volume: _____
 b. Acceptance Criteria defined (see workplan)
 - Temperature $\pm 3\%$ - D.O. $\pm 10\%$ or ± 0.5 mg/l
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. $\pm 3\%$ - Drawdown $< 0.3'$ - Turbidity $\pm 10\%$ for values > 1 NTU

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556 mps	13K102296
HACH	2100Q	150809043227
Geotech	Series 2 Drive 0.600 rpm	4000-1166

Time (24hr)	Temp. (°C)	Spec. Cond. (µS/cm)	DO (mg/l)	pH	ORP (mV)	Turbidity (NTU)	Removed Volume (Liters)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
14:20	18.75	860	6.58	7.73	104.0	26.0	0.5	100	25.16	Clear/No
14:25	18.46	857	6.54	7.69	91.8	18.4	1.0	100	25.16	" "
14:30	18.54	858	6.45	7.67	87.2	15.4	1.5	100	25.16	" "
14:35	18.32	853	6.44	7.63	86.1	9.88	2.0	100	25.16	" "
14:40	18.39	853	6.38	7.60	89.0	7.38	2.5	100	25.16	" "
14:45	18.35	849	6.36	7.58	88.3	5.06	3.0	100	25.16	" "
14:50	18.33	849	6.35	7.55	89.1	4.78	3.5	100	25.16	" "

d. Acceptance criteria pass/fail

Has required turbidity been reached

Yes No N/A

Have parameters stabilized

If no or N/A - Explain below.

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID: MW-203-GWA13-082420 Container Type: (3) 4ml Vials Preservation: HCL Analysis Req.: VOCs Time: 15:00

Comments

Signature

Glen Schrank

Date

8-24-20

Project Name: Ozone Industries		Sample Location: LOC-22	
Recorded By: Glen Schrank CGE		Date: 8-26-20	
Client: BBA Holdings		Ambient Temp: 73°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID: LOC-22-SG-082620		Sample ID:	
Regulator ID: 01802		Regulator ID:	
Canister ID: 3436		Canister ID:	
Purge Flow Rate: 2000 cc/min		Leak Test Performed (Y/N):	
Purge Time: 10:00 - 10:06		Initial Differential Pressure:	
Purge Volume (Calculated): 0.53 CF		Initial Vacuum Gauge Reading:	
Initial Vacuum Gauge Reading: -30.25		Sample Start Time:	
Sample Start Time: 10:07		Intermediate Vacuum Gauge Reading:	
Intermediate Vacuum Gauge Reading: -18.20		Sample Check Time:	
Sample Check Time: 11:07		Final Vacuum Gauge Reading:	
Final Vacuum Gauge Reading: -5.38		Sample End Time:	
Sample End Time: 12:07		Final Differential Pressure:	
Notes			
PID: 6.6 ppm			

Project Name: Ozone Industries		Sample Location: LOC-24	
Recorded By: Glen Schrank		Date: 8-26-20	
Client: BBA-Holdings		Ambient Temp: 73°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID: LOC-24-SG-082620		Sample ID:	
Regulator ID: 01033		Regulator ID:	
Canister ID: 2345		Canister ID:	
Purge Flow Rate: 2,000 cc/min		Leak Test Performed (Y/N):	
Purge Time: 10:58 - 11:04		Initial Differential Pressure:	
Purge Volume (Calculated): 0.53 CF		Initial Vacuum Gauge Reading:	
Initial Vacuum Gauge Reading: -30.09		Sample Start Time:	
Sample Start Time: 11:05		Intermediate Vacuum Gauge Reading:	
Intermediate Vacuum Gauge Reading: -17.56		Sample Check Time:	
Sample Check Time: 12:05		Final Vacuum Gauge Reading:	
Final Vacuum Gauge Reading: -5.35		Sample End Time:	
Sample End Time: 13:05		Final Differential Pressure:	
Notes			
PID: 0.6 ppm			

Project Name: Ozone Industries		Sample Location: LOC-25	
Recorded By: Glen Schrank CGE		Date: 8-26-20	
Client: BBA Holdings		Ambient Temp: 73°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID: LOC-25-SG-082620		Sample ID:	
Regulator ID: 0401		Regulator ID:	
Canister ID: 135		Canister ID:	
Purge Flow Rate: 2,000 CC/min		Leak Test Performed (Y/N):	
Purge Time: 10:08 - 10:14		Initial Differential Pressure:	
Purge Volume (Calculated): 0.53 CF		Initial Vacuum Gauge Reading:	
Initial Vacuum Gauge Reading: -29.93		Sample Start Time:	
Sample Start Time: 10:15		Intermediate Vacuum Gauge Reading:	
Intermediate Vacuum Gauge Reading: -17.50		Sample Check Time:	
Sample Check Time: 11:15		Final Vacuum Gauge Reading:	
Final Vacuum Gauge Reading: -5.41		Sample End Time:	
Sample End Time: 12:15		Final Differential Pressure:	
Notes			
PID: 1.2 ppm			

Project Name: Ozone Industries	Sample Location: LOC-26
Recorded By: Glen Schrank	Date: 8-26-20
Client: BBA-Holdings	Ambient Temp: 73°
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-26-SG-082620	Sample ID:
Regulator ID: 01510	Regulator ID:
Canister ID: 2213	Canister ID:
Purge Flow Rate: 2,000 CC/min	Leak Test Performed (Y/N):
Purge Time: 11:06 - 11:12	Initial Differential Pressure:
Purge Volume (Calculated): 0.53 CF	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.32	Sample Start Time:
Sample Start Time: 11:13	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -18.24	Sample Check Time:
Sample Check Time: 12:13	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -5.62	Sample End Time:
Sample End Time: 13:13	Final Differential Pressure:
Notes	
PID: 1.8 ppm	

Project Name: Ozone Industries		Sample Location: LOC-27	
Recorded By: Glen Schrank CGE		Date: 8-26-20	
Client: BBA Holdings		Ambient Temp: 73°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID: LOC-27-SG-082620		Sample ID:	
Regulator ID: 01552		Regulator ID:	
Canister ID: 3400		Canister ID:	
Purge Flow Rate: 2000cc/min		Leak Test Performed (Y/N):	
Purge Time: 10:16 - 10:22		Initial Differential Pressure:	
Purge Volume (Calculated): 0.53 CF		Initial Vacuum Gauge Reading:	
Initial Vacuum Gauge Reading: -30.25		Sample Start Time:	
Sample Start Time: 10:23		Intermediate Vacuum Gauge Reading:	
Intermediate Vacuum Gauge Reading: -18.12		Sample Check Time:	
Sample Check Time: 11:23		Final Vacuum Gauge Reading:	
Final Vacuum Gauge Reading: -5.70		Sample End Time:	
Sample End Time: 12:23		Final Differential Pressure:	
Notes			
PID: 13.2 ppm			

Project Name: Ozone Industries		Sample Location: LOC-27B	
Recorded By: Glen Schrank CGE		Date: 8-26-20	
Client: BBA Holdings		Ambient Temp: 73°	
Exterior Soil Vapor Sample		Sub-Slab Soil Vapor Sample	
Sample ID: LOC-27B-SG-082620		Sample ID:	
Regulator ID: 0047		Regulator ID:	
Canister ID: 3177		Canister ID:	
Purge Flow Rate: 2,000 cc/min		Leak Test Performed (Y/N):	
Purge Time: 10:24 - 10:30		Initial Differential Pressure:	
Purge Volume (Calculated): 0.53 CF		Initial Vacuum Gauge Reading:	
Initial Vacuum Gauge Reading: -30.03		Sample Start Time:	
Sample Start Time: 10:31		Intermediate Vacuum Gauge Reading:	
Intermediate Vacuum Gauge Reading: -17.34		Sample Check Time:	
Sample Check Time: 11:31		Final Vacuum Gauge Reading:	
Final Vacuum Gauge Reading: -5.00		Sample End Time:	
Sample End Time: 12:31		Final Differential Pressure:	
Notes			
PID: 3.1 ppm			

Project Name: Ozone Industries	Sample Location: LOC-28
Recorded By: Glen Schrank	Date: 8-26-20
Client: BBA-Holdings	Ambient Temp: 73°
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-28-SG082620	Sample ID:
Regulator ID: 0971	Regulator ID:
Canister ID: 3175	Canister ID:
Purge Flow Rate: 2,000 cc/min	Leak Test Performed (Y/N):
Purge Time: 11:16 - 11:22	Initial Differential Pressure:
Purge Volume (Calculated):	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.05	Sample Start Time:
Sample Start Time: 11:23	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.74	Sample Check Time:
Sample Check Time: 12:23	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -5.51	Sample End Time:
Sample End Time: 13:23	Final Differential Pressure:
Notes	
PID: 1.3 ppm	

Project Name:		Sample ID: Bay8B-IndoorAir-082720	
Recorded By: Glen Schrank CGE		Sampling Date: 8-27-20	
Client: BBA Holdings		General Weather Conditions: Clear 88°	
Indoor Air / Ambient Air Sample			
Sample Location: Back wall of Bay 8B			
Ambient Temperature and Barometric Pressure (if available): 88°			
Vacuum Gauge ID: 0205			
Flow Controller ID: 0205			
Canister ID: 2033			
Sample Height: 3.5'			
Canister Volume: 2.7 L			
Laboratory Recorded Pressure of Canister: -29.3 (Canister Label/Tag - From Laboratory)			
Sample Start Time: 9:55		Initial Vacuum Gauge Reading: -29.99	
Sample Check Time: 11:55		Vacuum Gauge Reading: -25.64	
Sample Check Time: 13:55		Vacuum Gauge Reading: -21.31	
Sample Check Time: 15:55		Vacuum Gauge Reading: -17.09	
Sample End Time: 17:55		Final Vacuum Gauge Reading: -12.64	
Shipping Date: 9-1-20			
Notes			

Project Name: <u>Ozone Industries</u>	Sample ID: <u>Bay 9 - Indoor Air-082720</u>
Recorded By: <u>Glen Schrank CGE</u>	Sampling Date: <u>8-27-20</u>
Client: <u>BBA - Holdings</u>	General Weather Conditions: <u>Clear 88°</u>

Indoor Air / Ambient Air Sample

Sample Location: Center of Bay 9

Ambient Temperature and Barometric Pressure (if available): 88°

Vacuum Gauge ID: 0204

Flow Controller ID: 0204

Canister ID: 2998

Sample Height: 3.5'

Canister Volume: 2.7 L

Laboratory Recorded Pressure of Canister: -29.3 (Canister Label/Tag - From Laboratory)

Sample Start Time: <u>9:20</u>	Initial Vacuum Gauge Reading: <u>-29.89</u>
Sample Check Time: <u>11:20</u>	Vacuum Gauge Reading: <u>-23.68</u>
Sample Check Time: <u>13:20</u>	Vacuum Gauge Reading: <u>-17.43</u>
Sample Check Time: <u>15:20</u>	Vacuum Gauge Reading: <u>-10.69</u>
Sample End Time: <u>17:16</u>	Final Vacuum Gauge Reading: <u>-5.15</u>
Shipping Date: <u>9-1-20</u>	

Notes



Project Name: <u>Ozone Industries</u>	Sample ID: <u>Bay 10-Indoor Air-082720</u>
Recorded By: <u>Glen Schrank CGE</u>	Sampling Date: <u>8-27-20</u>
Client: <u>BBA Holdings</u>	General Weather Conditions: <u>Clear 88°</u>

Indoor Air / Ambient Air Sample**Sample Location:** Center of Bay-10**Ambient Temperature and Barometric Pressure (if available):** 88°**Vacuum Gauge ID:** 0393**Flow Controller ID:** 0393**Canister ID:** 2186**Sample Height:** 3.5'**Canister Volume:** 2.7 L**Laboratory Recorded Pressure of Canister:** -29.3 (Canister Label/Tag - From Laboratory)

Sample Start Time: <u>9:26</u>	Initial Vacuum Gauge Reading: <u>-29.78</u>
Sample Check Time: <u>11:26</u>	Vacuum Gauge Reading: <u>-23.83</u>
Sample Check Time: <u>13:26</u>	Vacuum Gauge Reading: <u>-17.23</u>
Sample Check Time: <u>15:26</u>	Vacuum Gauge Reading: <u>-11.08</u>
Sample End Time: <u>17:26</u>	Final Vacuum Gauge Reading: <u>-5.34</u>
Shipping Date: <u>9-1-20</u>	

Notes

Project Name: <u>Ozone Industries</u>		Sample ID: <u>Bay 11 - Indoor Air-082720</u>	
Recorded By: <u>Glen Schrank CGE</u>		Sampling Date: <u>8-27-20</u>	
Client: <u>BBA Holdings</u>		General Weather Conditions: <u>Clear 88°</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>Center of Bay-11</u>			
Ambient Temperature and Barometric Pressure (if available): <u>88°</u>			
Vacuum Gauge ID: <u>01298</u>			
Flow Controller ID: <u>01298</u>			
Canister ID: <u>2250</u>			
Sample Height: <u>3.5'</u>			
Canister Volume: <u>2.7 L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.2</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>9:32</u>		Initial Vacuum Gauge Reading: <u>-29.88</u>	
Sample Check Time: <u>11:32</u>		Vacuum Gauge Reading: <u>-24.09</u>	
Sample Check Time: <u>13:32</u>		Vacuum Gauge Reading: <u>-18.00</u>	
Sample Check Time: <u>15:32</u>		Vacuum Gauge Reading: <u>-11.39</u>	
Sample End Time: <u>17:32</u>		Final Vacuum Gauge Reading: <u>-5.36</u>	
Shipping Date: <u>9-1-20</u>			
Notes			

Project Name: <u>Ozone Industries</u>		Sample ID: <u>Bay12-IndoorAir-082720</u>	
Recorded By: <u>Glen Schrank CGE</u>		Sampling Date: <u>8-27-20</u>	
Client: <u>BBA Holdings</u>		General Weather Conditions: <u>Clear 72°</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>Center of Bay-12</u>			
Ambient Temperature and Barometric Pressure (if available): <u>72°</u>			
Vacuum Gauge ID: <u>0270</u>			
Flow Controller ID: <u>0270</u>			
Canister ID: <u>2425</u>			
Sample Height: <u>3.5'</u>			
Canister Volume: <u>2.7 L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.3</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>9:59</u>		Initial Vacuum Gauge Reading: <u>-30.36</u>	
Sample Check Time: <u>11:59</u>		Vacuum Gauge Reading: <u>-24.01</u>	
Sample Check Time: <u>13:59</u>		Vacuum Gauge Reading: <u>-17.69</u>	
Sample Check Time: <u>15:59</u>		Vacuum Gauge Reading: <u>-11.65</u>	
Sample End Time: <u>17:59</u>		Final Vacuum Gauge Reading: <u>-5.37</u>	
Shipping Date: <u>9-1-20</u>			
Notes			

Project Name: <u>Ozone Industries</u>		Sample ID: <u>Bay 13-Indoor Air-082720</u>	
Recorded By: <u>Glen Schrank CGE</u>		Sampling Date: <u>8-27-20</u>	
Client: <u>BBA Holdings</u>		General Weather Conditions: <u>Clear 88°</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>Center of Bay-13</u>			
Ambient Temperature and Barometric Pressure (if available): <u>88°</u>			
Vacuum Gauge ID: <u>01376</u>			
Flow Controller ID: <u>01376</u>			
Canister ID: <u>156</u>			
Sample Height: <u>3.5'</u>			
Canister Volume: <u>2.7L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.1</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>9:38</u>		Initial Vacuum Gauge Reading: <u>-29.89</u>	
Sample Check Time: <u>11:38</u>		Vacuum Gauge Reading: <u>-24.55</u>	
Sample Check Time: <u>13:38</u>		Vacuum Gauge Reading: <u>-18.03</u>	
Sample Check Time: <u>15:38</u>		Vacuum Gauge Reading: <u>-12.26</u>	
Sample End Time: <u>17:38</u>		Final Vacuum Gauge Reading: <u>-6.41</u>	
Shipping Date: <u>9-1-20</u>			
Notes			

Project Name: <u>Ozone Industries</u>		Sample ID: <u>Bay 14 Indoor Air-082720</u>	
Recorded By: <u>Glen Schrank CGE</u>		Sampling Date: <u>8-27-20</u>	
Client: <u>BBA Holdings</u>		General Weather Conditions: <u>Clear 72°</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>Center of Bay 14</u>			
Ambient Temperature and Barometric Pressure (if available): <u>72°</u>			
Vacuum Gauge ID: <u>01409</u>			
Flow Controller ID: <u>01409</u>			
Canister ID: <u>175</u>			
Sample Height: <u>3.5'</u>			
Canister Volume: <u>2.7 L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.3</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>10:20</u>		Initial Vacuum Gauge Reading: <u>-30.06</u>	
Sample Check Time: <u>12:20</u>		Vacuum Gauge Reading: <u>-25.27</u>	
Sample Check Time: <u>14:20</u>		Vacuum Gauge Reading: <u>-17.66</u>	
Sample Check Time: <u>16:20</u>		Vacuum Gauge Reading: <u>-11.62</u>	
Sample End Time: <u>18:20</u>		Final Vacuum Gauge Reading: <u>-5.49</u>	
Shipping Date: <u>9-1-20</u>			
Notes			

Project Name: <u>Ozone Industries</u>		Sample ID: <u>Bay 14-OD-082820</u>	
Recorded By: <u>Glen Schrank CGE</u>		Sampling Date: <u>8-28-20</u>	
Client: <u>BBA Holdings</u>		General Weather Conditions: <u>Clear 81°</u>	
Indoor Air / Ambient Air Sample			
Sample Location: <u>In front of Bay 14 100st side</u>			
Ambient Temperature and Barometric Pressure (if available): <u>81°</u>			
Vacuum Gauge ID: <u>01640</u>			
Flow Controller ID: <u>01640</u>			
Canister ID: <u>465</u>			
Sample Height: <u>3.5'</u>			
Canister Volume: <u>2.7 L</u>			
Laboratory Recorded Pressure of Canister: <u>-29.1</u> (Canister Label/Tag - From Laboratory)			
Sample Start Time: <u>9:45</u>		Initial Vacuum Gauge Reading: <u>-29.46</u>	
Sample Check Time: <u>11:45</u>		Vacuum Gauge Reading: <u>-23.71</u>	
Sample Check Time: <u>13:45</u>		Vacuum Gauge Reading: <u>-18.65</u>	
Sample Check Time: _____		Vacuum Gauge Reading: _____	
Sample End Time: <u>15:06</u>		Final Vacuum Gauge Reading: <u>-14.73</u>	
Shipping Date: <u>9-1-20</u>			
Notes			

Project Name: <u>Ozone Industries</u>	Sample ID: <u>Bay 15-Indoor Air-082720</u>
Recorded By: <u>Glen Schrank</u>	Sampling Date: <u>8-27-20</u>
Client: <u>BBA Holdings</u>	General Weather Conditions: <u>Clear 88°</u>
Indoor Air / Ambient Air Sample	
Sample Location: <u>Center of Bay-15</u>	
Ambient Temperature and Barometric Pressure (if available) : <u>88°</u>	
Vacuum Gauge ID: <u>0729</u>	
Flow Controller ID: <u>0729</u>	
Canister ID: <u>3097</u>	
Sample Height: <u>3.5'</u>	
Canister Volume: <u>2.7 L</u>	
Laboratory Recorded Pressure of Canister: <u>-29.3</u> (Canister Label/Tag - From Laboratory)	
Sample Start Time: <u>10:07</u>	Initial Vacuum Gauge Reading: <u>-30.07</u>
Sample Check Time: <u>12:07</u>	Vacuum Gauge Reading: <u>-24.06</u>
Sample Check Time: <u>14:07</u>	Vacuum Gauge Reading: <u>-17.70</u>
Sample Check Time: <u>16:07</u>	Vacuum Gauge Reading: <u>-11.94</u>
Sample End Time: <u>18:07</u>	Final Vacuum Gauge Reading: <u>-6.03</u>
Shipping Date: <u>9-1-20</u>	
Notes	

Appendix B
Field Sampling Record Forms – November 2020

Project Name:	Sample Location: Bay 8B mp-15
Recorded By: Martos	Date: 11/13/20
Client: End zone	Ambient Temp:
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 8B mp 15
Regulator ID:	Regulator ID: 0068
Canister ID:	Canister ID: 2301
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: NA
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -30.41
Initial Vacuum Gauge Reading:	Sample Start Time: 13:30
Sample Start Time:	Intermediate Vacuum Gauge Reading: -18.58
Intermediate Vacuum Gauge Reading:	Sample Check Time: 13:45
Sample Check Time:	Final Vacuum Gauge Reading: -4.57
Final Vacuum Gauge Reading:	Sample End Time: 14:00
Sample End Time:	Final Differential Pressure: N/A
Notes	

Project Name:	Sample Location: Bay 9 MP45
Recorded By: Mats	Date: 11/13/20
Client: End zone Inc.	Ambient Temp:
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 9 MP45
Regulator ID:	Regulator ID: 1800
Canister ID:	Canister ID: 2995
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.98
Initial Vacuum Gauge Reading:	Sample Start Time: 10:08
Sample Start Time:	Intermediate Vacuum Gauge Reading: -16.99
Intermediate Vacuum Gauge Reading:	Sample Check Time: 10:24
Sample Check Time:	Final Vacuum Gauge Reading: -6.97
Final Vacuum Gauge Reading:	Sample End Time: 10:38
Sample End Time:	Final Differential Pressure:
Notes	
200ml purge	

Project Name:	Sample Location: Bay 9 MP4D
Recorded By: Matos	Date: 11/13/20
Client: End zone	Ambient Temp:
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 9
Regulator ID:	Regulator ID: 1926
Canister ID:	Canister ID: 2384
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: NA
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -28.99
Initial Vacuum Gauge Reading:	Sample Start Time: 11:14
Sample Start Time:	Intermediate Vacuum Gauge Reading: -20.60
Intermediate Vacuum Gauge Reading:	Sample Check Time: 1125
Sample Check Time:	Final Vacuum Gauge Reading: -4.75
Final Vacuum Gauge Reading:	Sample End Time: 1145
Sample End Time:	Final Differential Pressure: N
Notes	

Project Name:	Sample Location: Bay 10 mp-SS
Recorded By: Matos	Date: 11/13/20
Client: Endzone Inc	Ambient Temp:
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 10
Regulator ID:	Regulator ID: 1766
Canister ID:	Canister ID: 2556
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: NA
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -30.17
Initial Vacuum Gauge Reading:	Sample Start Time: 10:25
Sample Start Time:	Intermediate Vacuum Gauge Reading: 10:40
Intermediate Vacuum Gauge Reading:	Sample Check Time: -19.78
Sample Check Time:	Final Vacuum Gauge Reading: -5.76
Final Vacuum Gauge Reading:	Sample End Time: 10:55
Sample End Time:	Final Differential Pressure:
Notes	

Project Name:	Sample Location: Bay 11 mps
Recorded By: Matos	Date: 11/13/20
Client: Endzone Inc.	Ambient Temp: 51°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 11 mps
Regulator ID:	Regulator ID: 1715
Canister ID:	Canister ID: 3201
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -30.02
Initial Vacuum Gauge Reading:	Sample Start Time: 1122
Sample Start Time:	Intermediate Vacuum Gauge Reading: ~~-30.02~~ - 9.72
Intermediate Vacuum Gauge Reading:	Sample Check Time: 1149
Sample Check Time:	Final Vacuum Gauge Reading: ~~9.72~~ - 5.51
Final Vacuum Gauge Reading:	Sample End Time: 1153
Sample End Time:	Final Differential Pressure: N
Notes	

Project Name:	Sample Location: Bay 11 MP8D
Recorded By: Matos	Date: 11/13/20
Client: Endzone Inc.	Ambient Temp: 52° F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 11 MP8D
Regulator ID:	Regulator ID: 0805
Canister ID:	Canister ID: 2249
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.87
Initial Vacuum Gauge Reading:	Sample Start Time: 1209
Sample Start Time:	Intermediate Vacuum Gauge Reading: -17.94
Intermediate Vacuum Gauge Reading:	Sample Check Time: 12:25
Sample Check Time:	Final Vacuum Gauge Reading: -5.48
Final Vacuum Gauge Reading:	Sample End Time: 1240
Sample End Time:	Final Differential Pressure:

Notes

Project Name:	Sample Location: Bay 12 MP-9S
Recorded By: Matos	Date: 11/13/20
Client: Endzone Inc.	Ambient Temp: 51°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 12 MP-9S
Regulator ID:	Regulator ID: 01551
Canister ID:	Canister ID: 3181
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -30.08
Initial Vacuum Gauge Reading:	Sample Start Time: 13:45
Sample Start Time:	Intermediate Vacuum Gauge Reading: -15.44
Intermediate Vacuum Gauge Reading:	Sample Check Time: 14:01
Sample Check Time:	Final Vacuum Gauge Reading: -5.67
Final Vacuum Gauge Reading:	Sample End Time: 14:17
Sample End Time:	Final Differential Pressure:

Notes

Nested monitoring points
2ft
15ft
30ft

Project Name:	Sample Location: Bay 12 MPAD
Recorded By: Matos	Date: 11/13/20
Client: Encl zone Inc	Ambient Temp: ~50°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 12
Regulator ID:	Regulator ID: 0343
Canister ID:	Canister ID: 1723
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: NA
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.72
Initial Vacuum Gauge Reading:	Sample Start Time: 14:50
Sample Start Time:	Intermediate Vacuum Gauge Reading: -19.81
Intermediate Vacuum Gauge Reading:	Sample Check Time: 15:02
Sample Check Time:	Final Vacuum Gauge Reading: -5.82
Final Vacuum Gauge Reading:	Sample End Time: 15:20
Sample End Time:	Final Differential Pressure:
Notes	
~* 30ft+ deep sample	

Project Name:	Sample Location: Bay 13 MP125
Recorded By: Matos	Date: 11/13/20
Client: End zone	Ambient Temp: 51°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 13 MP125
Regulator ID:	Regulator ID: 1014
Canister ID:	Canister ID: 2079
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -28.62
Initial Vacuum Gauge Reading:	Sample Start Time: 1135
Sample Start Time:	Intermediate Vacuum Gauge Reading: -9.37
Intermediate Vacuum Gauge Reading:	Sample Check Time: 1158
Sample Check Time:	Final Vacuum Gauge Reading: -4.92
Final Vacuum Gauge Reading:	Sample End Time: 1206
Sample End Time:	Final Differential Pressure: N/A
Notes	

Project Name:	Sample Location: Bay 14 MP-145
Recorded By: matos	Date: 11/13/20
Client: Enclzone Inc.	Ambient Temp: 50°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 14
Regulator ID:	Regulator ID: 1509
Canister ID:	Canister ID: 514
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -30.04
Initial Vacuum Gauge Reading:	Sample Start Time: 12:20
Sample Start Time:	Intermediate Vacuum Gauge Reading: -14.00
Intermediate Vacuum Gauge Reading:	Sample Check Time: 12:45
Sample Check Time:	Final Vacuum Gauge Reading: -4.68
Final Vacuum Gauge Reading:	Sample End Time: 12:51
Sample End Time:	Final Differential Pressure: N/A
Notes	

Project Name:	Sample Location: <i>Bay 15 MP15S</i>
Recorded By: <i>Matos</i>	Date: <i>11/13/20</i>
Client: <i>Endzone Inc.</i>	Ambient Temp: <i>~ 50°F</i>
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: <i>Bay 15 MP15S</i>
Regulator ID:	Regulator ID: <i>01005</i>
Canister ID:	Canister ID: <i>3215</i>
Purge Flow Rate:	Leak Test Performed (Y/N): <i>N</i>
Purge Time:	Initial Differential Pressure: <i>N/A</i>
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: <i>-30.25</i>
Initial Vacuum Gauge Reading:	Sample Start Time: <i>14:27</i>
Sample Start Time:	Intermediate Vacuum Gauge Reading: <i>-13.27</i>
Intermediate Vacuum Gauge Reading:	Sample Check Time: <i>1449</i>
Sample Check Time:	Final Vacuum Gauge Reading: <i>-5.92</i>
Final Vacuum Gauge Reading:	Sample End Time: <i>15:00</i>
Sample End Time:	Final Differential Pressure: <i>N/A</i>
Notes	

Project Name:	Sample Location: Bay 15 MP15D
Recorded By: Matos	Date: 11/13/20
Client: Endzone Inc.	Ambient Temp: 58°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID:	Sample ID: Bay 15
Regulator ID:	Regulator ID: 0303
Canister ID:	Canister ID: 2589
Purge Flow Rate:	Leak Test Performed (Y/N): N
Purge Time:	Initial Differential Pressure: N/A
Purge Volume (Calculated):	Initial Vacuum Gauge Reading: -29.97
Initial Vacuum Gauge Reading:	Sample Start Time: 15:24
Sample Start Time:	Intermediate Vacuum Gauge Reading: - ~~+88~~ 1582
Intermediate Vacuum Gauge Reading:	Sample Check Time: 15:39
Sample Check Time:	Final Vacuum Gauge Reading: -5.17
Final Vacuum Gauge Reading:	Sample End Time: 15:54
Sample End Time:	Final Differential Pressure:
Notes	

Project Name:		Sample ID: Bay 8B - Indoor Air	
Recorded By: Rai Matos		Sampling Date: 11/12/20	
Client: Endzone Inc.		General Weather Conditions: cloudy ~ 50°F	
Indoor Air / Ambient Air Sample			
Sample Location: Bay 8B			
Ambient Temperature and Barometric Pressure (if available): 55°F / 29.88 in/Hg			
Vacuum Gauge ID:			
Flow Controller ID: 1117			
Canister ID: ~~296~~ 3398			
Sample Height: ~3-4ft			
Canister Volume: 2.7L			
Laboratory Recorded Pressure of Canister: -29.6 (Canister Label/Tag - From Laboratory)			
Sample Start Time: 9:03		Initial Vacuum Gauge Reading: -30.07	
Sample Check Time: 11:10		Vacuum Gauge Reading: -23.48	
Sample Check Time: 13:00		Vacuum Gauge Reading: -18.53	
Sample Check Time: 14:51		Vacuum Gauge Reading: -13.21	
Sample End Time: 16:45		Final Vacuum Gauge Reading: -6.68	
Shipping Date:			
Notes			



Project Name:		Sample ID: Bay 9 Indoor Air	
Recorded By: Rai Santos		Sampling Date: 11/12/20	
Client: Endzone Inc.		General Weather Conditions: cloudy ~ 55°F	
Indoor Air / Ambient Air Sample			
Sample Location: Bay 9			
Ambient Temperature and Barometric Pressure (if available): 55°F / 29.88 in/Hg			
Vacuum Gauge ID:			
Flow Controller ID: 1491			
Canister ID: 536			
Sample Height: ~3-4ft			
Canister Volume: 2.7L			
Laboratory Recorded Pressure of Canister: -29.5 (Canister Label/Tag - From Laboratory)			
Sample Start Time: 8:50		Initial Vacuum Gauge Reading: -30.12	
Sample Check Time: 10:45		Vacuum Gauge Reading: -26.10	
Sample Check Time: 13:10		Vacuum Gauge Reading: -17.12	
Sample Check Time: 16: N/A		Vacuum Gauge Reading: N/A	
Sample End Time: 16:57		Final Vacuum Gauge Reading: -6.22	
Shipping Date:			
Notes			

Project Name:	Sample ID: <u>Bay 10 Indoor Air</u>
Recorded By: <u>Rai Matos</u>	Sampling Date: <u>11/12/20</u>
Client: <u>Endzone Inc.</u>	General Weather Conditions: <u>cloudy ~55°F</u>
Indoor Air / Ambient Air Sample	
Sample Location: <u>Bay 10</u>	
Ambient Temperature and Barometric Pressure (if available): <u>55°F / 29.88 in/Hg</u>	
Vacuum Gauge ID: _____	
Flow Controller ID: <u>1488</u>	
Canister ID: <u>3241</u>	
Sample Height: <u>~3-4ft</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>9:15</u>	Initial Vacuum Gauge Reading: <u>-30.06</u>
Sample Check Time: <u>11:00</u>	Vacuum Gauge Reading: <u>-25.45</u>
Sample Check Time: <u>13:05</u>	Vacuum Gauge Reading: <u>-18.22</u>
Sample Check Time: <u>15:07</u>	Vacuum Gauge Reading: <u>-12.41</u>
Sample End Time: <u>17:00</u>	Final Vacuum Gauge Reading: <u>-5.38</u>
Shipping Date: _____	
Notes	

Project Name:	Sample ID: Bay 11 Indoor Air
Recorded By: Rai Matos	Sampling Date: 11/12/20
Client: Endzone Inc.	General Weather Conditions: cloudy

Indoor Air / Ambient Air Sample	
Sample Location: Bay 11	
Ambient Temperature and Barometric Pressure (if available): 55°F / 29.88 in/Hg	
Vacuum Gauge ID: _____	
Flow Controller ID: 500	
Canister ID: 202	
Sample Height: ~3-4ft	
Canister Volume: 2.7L	
Laboratory Recorded Pressure of Canister: -29.5 (Canister Label/Tag - From Laboratory)	
Sample Start Time: 8:55	Initial Vacuum Gauge Reading: -30.07
Sample Check Time: 10:55	Vacuum Gauge Reading: -24.53
Sample Check Time: 13:11	Vacuum Gauge Reading: -17.07
Sample Check Time: 14:40	Vacuum Gauge Reading: -12.10
Sample End Time: 16:50	Final Vacuum Gauge Reading: -5.59
Shipping Date: _____	
Notes	

Project Name:	Sample ID: Bay 12 Indoor Air
Recorded By: Rai matos	Sampling Date: 11/12/20
Client: Endzone Inc	General Weather Conditions: cloudy

Indoor Air / Ambient Air Sample	
Sample Location: Bay 12	
Ambient Temperature and Barometric Pressure (if available): 55°F / 29.91 in/Hg	
Vacuum Gauge ID:	
Flow Controller ID: 1640	
Canister ID: 2761	
Sample Height: ~3-4ft	
Canister Volume: 2.7L	
Laboratory Recorded Pressure of Canister: -29.8 (Canister Label/Tag - From Laboratory)	
Sample Start Time: 9:02	Initial Vacuum Gauge Reading: -30.10
Sample Check Time: 11:03	Vacuum Gauge Reading: -24.19
Sample Check Time: 13:00	Vacuum Gauge Reading: -18.42
Sample Check Time: 15:10	Vacuum Gauge Reading: -12.70
Sample End Time: 16:58	Final Vacuum Gauge Reading: -5.06
Shipping Date:	
Notes	

Project Name:	Sample ID: Bay 13 Indoor Air
Recorded By: Rai Matos	Sampling Date: 11/12/20
Client: Endzone Inc.	General Weather Conditions: Cloudy / light rain

Indoor Air / Ambient Air Sample	
Sample Location: Bay 13	
Ambient Temperature and Barometric Pressure (if available): 60° F / 29.91 in/Hg	
Vacuum Gauge ID: _____	
Flow Controller ID: 1684	
Canister ID: 2358	
Sample Height: ~3-4ft	
Canister Volume: 2.7L	
Laboratory Recorded Pressure of Canister: -29.5 (Canister Label/Tag - From Laboratory)	
Sample Start Time: 9:15	Initial Vacuum Gauge Reading: -30.07
Sample Check Time: 11:05	Vacuum Gauge Reading: -24.73
Sample Check Time: 13:01	Vacuum Gauge Reading: -18.61
Sample Check Time: 14:55	Vacuum Gauge Reading: -13.12
Sample End Time: 17:19	Final Vacuum Gauge Reading: -4.79
Shipping Date: _____	
Notes	

Project Name:		Sample ID: Bay 14 Indoor	
Recorded By: Rai Matos		Sampling Date: 11/12/20	
Client: End zone		General Weather Conditions: cloudy	
Indoor Air / Ambient Air Sample			
Sample Location: Bay 14			
Ambient Temperature and Barometric Pressure (if available): 57°F / 29.91 in/Hg			
Vacuum Gauge ID:			
Flow Controller ID: 0001			
Canister ID: 549			
Sample Height: ~ 3-4 ft			
Canister Volume: 2.7L			
Laboratory Recorded Pressure of Canister: -29.4 (Canister Label/Tag - From Laboratory)			
Sample Start Time: 9:05		Initial Vacuum Gauge Reading: -29.95	
Sample Check Time: 11:15		Vacuum Gauge Reading: -23.79	
Sample Check Time: 13:04		Vacuum Gauge Reading: -16.41	
Sample Check Time: 15:32		Vacuum Gauge Reading: -8.32	
Sample End Time: 17:12		Final Vacuum Gauge Reading: -2.54	
Shipping Date:			
Notes			

Project Name:	Sample ID: Bay 14 outdoor
Recorded By: Rai mator	Sampling Date: 11/12/20
Client: Endzone Inc	General Weather Conditions: cloudy light rain

Indoor Air / Ambient Air Sample	
Sample Location: Bay 14 outside	
Ambient Temperature and Barometric Pressure (if available): 59°F / 29.91 in/Hg	
Vacuum Gauge ID: _____	
Flow Controller ID: 1675	
Canister ID: 3214	
Sample Height: ~ 3-4 ft	
Canister Volume: 2.7L	
Laboratory Recorded Pressure of Canister: -29.5 (Canister Label/Tag - From Laboratory)	
Sample Start Time: 9:07	Initial Vacuum Gauge Reading: -30.47
Sample Check Time: 1050	Vacuum Gauge Reading: -24.59
Sample Check Time: 13:15	Vacuum Gauge Reading: -18:20
Sample Check Time: 15:00	Vacuum Gauge Reading: -11:32
Sample End Time: 16:42	Final Vacuum Gauge Reading: -4.39
Shipping Date: _____	
Notes	

Project Name:	Sample ID: Bay 15 indoor air
Recorded By: Rai Matos	Sampling Date: 11/12/20
Client: Endzone Inc	General Weather Conditions: cloudy light rain

Indoor Air / Ambient Air Sample	
Sample Location: Bay 15	
Ambient Temperature and Barometric Pressure (if available): 55°F / 29.88 in/Hg	
Vacuum Gauge ID: _____	
Flow Controller ID: 0101	
Canister ID: 2294	
Sample Height: ~ 3-4ft	
Canister Volume: 2.7L	
Laboratory Recorded Pressure of Canister: ^{-29.5} (Canister Label/Tag - From Laboratory)	
Sample Start Time: 9:05	Initial Vacuum Gauge Reading: -30.09
Sample Check Time: 10:57	Vacuum Gauge Reading: -24.17
Sample Check Time: 13:13	Vacuum Gauge Reading: -18.51
Sample Check Time: 15:05	Vacuum Gauge Reading: -13.62
Sample End Time: 16:50	Final Vacuum Gauge Reading: -6.25
Shipping Date: _____	
Notes	

Appendix C
Laboratory Analytical Data Report - August 2020



ANALYTICAL REPORT

Lab Number:	L2036150
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC
Project Number:	60527976
Report Date:	09/09/20

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

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508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2036150-01	BAY 8B_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:55	09/01/20
L2036150-02	BAY 9_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:16	09/01/20
L2036150-03	BAY 10_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:26	09/01/20
L2036150-04	BAY 11_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:32	09/01/20
L2036150-05	BAY 12_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:59	09/01/20
L2036150-06	BAY 13_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 17:38	09/01/20
L2036150-07	BAY 14_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 18:20	09/01/20
L2036150-08	BAY 14_ODAIR_082820	AIR	QUEENS, NY	08/28/20 15:06	09/01/20
L2036150-09	BAY 15_INDOORAIR_082720	AIR	QUEENS, NY	08/27/20 18:07	09/01/20

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 21, 2020. The canister certification results are provided as an addendum.

Sample Receipt

The canister ID number for the sample designated BAY 14_ODAIR_082820 (L2036150-08) is listed on the CoC as 425 but should be 465.

The flow controller ID number for the sample designated BAY 14_ODAIR_082820(L2036150-08) is listed on the CoC as 01535 but should be 01640.

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:

 Elizabeth Porta

Title: Technical Director/Representative

Date: 09/09/20

AIR

Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-01
 Client ID: BAY 8B_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:55
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 19:21
 Analyst: EW

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	0.178	0.020	--	0.957	0.107	--		1
Tetrachloroethene	4.00	0.020	--	27.1	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	99		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-02
 Client ID: BAY 9_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:16
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 20:00
 Analyst: EW

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	0.140	0.020	--	0.752	0.107	--		1
Tetrachloroethene	1.01	0.020	--	6.85	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	104		60-140
bromochloromethane	109		60-140
chlorobenzene-d5	103		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-03
 Client ID: BAY 10_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:26
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 21:18
 Analyst: EW

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	0.690	0.020	--	3.71	0.107	--		1
Tetrachloroethene	0.804	0.020	--	5.45	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	101		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-04
 Client ID: BAY 11_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:32
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 21:57
 Analyst: EW

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	0.082	0.020	--	0.441	0.107	--		1
Tetrachloroethene	0.810	0.020	--	5.49	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-05
 Client ID: BAY 12_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:59
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 22:36
 Analyst: EW

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	0.384	0.020	--	2.60	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	107		60-140
chlorobenzene-d5	101		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-06
 Client ID: BAY 13_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 17:38
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 23:16
 Analyst: EW

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	0.073	0.020	--	0.392	0.107	--		1
Tetrachloroethene	0.344	0.020	--	2.33	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	100		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-07
 Client ID: BAY 14_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 18:20
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 23:55
 Analyst: EW

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	0.079	0.020	--	0.425	0.107	--		1
Tetrachloroethene	0.264	0.020	--	1.79	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	102		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-08
 Client ID: BAY 14_ODAIR_082820
 Sample Location: QUEENS, NY

Date Collected: 08/28/20 15:06
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/04/20 18:40
 Analyst: EW

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	0.026	0.020	--	0.140	0.107	--		1
Tetrachloroethene	0.569	0.020	--	3.86	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	97		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2036150**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036150-09
 Client ID: BAY 15_INDOORAIR_082720
 Sample Location: QUEENS, NY

Date Collected: 08/27/20 18:07
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/05/20 00:35
 Analyst: EW

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	0.064	0.020	--	0.344	0.107	--		1
Tetrachloroethene	0.196	0.020	--	1.33	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	99		60-140



Project Name: ENDZONE, INC

Lab Number: L2036150

Project Number: 60527976

Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 09/04/20 17:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG1406807-4								
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: ENDZONE, INC

Project Number: 60527976

Lab Number: L2036150

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG1406807-3								
Vinyl chloride	125		-		70-130	-		25
trans-1,2-Dichloroethene	122		-		70-130	-		25
cis-1,2-Dichloroethene	130		-		70-130	-		25
Trichloroethene	114		-		70-130	-		25
Tetrachloroethene	127		-		70-130	-		25

Project Name: ENDZONE, INC

Project Number: 60527976

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2036150

Report Date: 09/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1406807-5 QC Sample: L2036150-02 Client ID: BAY 9_INDOORAIR_082720						
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	0.140	0.141	ppbV	1		25
Tetrachloroethene	1.01	1.00	ppbV	1		25

Project Name: ENDZONE, INC

Serial_No:09092012:08
Lab Number: L2036150

Project Number: 60527976

Report Date: 09/09/20

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
L2036150-01	BAY 8B_INDOORAIR_082720	0205	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	3.9	14
L2036150-01	BAY 8B_INDOORAIR_082720	2033	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-12.6	-	-	-	-
L2036150-02	BAY 9_INDOORAIR_082720	0204	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.3	16
L2036150-02	BAY 9_INDOORAIR_082720	2998	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.3	-5.3	-	-	-	-
L2036150-03	BAY 10_INDOORAIR_082720	0393	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.1	13
L2036150-03	BAY 10_INDOORAIR_082720	2186	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	5.4	-	-	-	-
L2036150-04	BAY 11_INDOORAIR_082720	01298	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.1	13
L2036150-04	BAY 11_INDOORAIR_082720	2250	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.2	-5.3	-	-	-	-
L2036150-05	BAY 12_INDOORAIR_082720	0270	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.1	13
L2036150-05	BAY 12_INDOORAIR_082720	2425	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-5.4	-	-	-	-
L2036150-06	BAY 13_INDOORAIR_082720	01376	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.3	16
L2036150-06	BAY 13_INDOORAIR_082720	156	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.1	-6.5	-	-	-	-
L2036150-07	BAY 14_INDOORAIR_082720	01409	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.2	14
L2036150-07	BAY 14_INDOORAIR_082720	175	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-5.8	-	-	-	-
L2036150-08	BAY 14_ODAIR_082820	01640	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.0	11

Project Name: ENDZONE, INC

Project Number: 60527976

Serial_No: 09092012:08
Lab Number: L2036150

Report Date: 09/09/20

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
L2036150-08	BAY 14_ODAIR_082820	465	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.1	-14.6	-	-	-	-
L2036150-09	BAY 15_INDOORAIR_082720	0729	Flow 5	08/21/20	327171		-	-	-	Pass	4.5	5.2	14
L2036150-09	BAY 15_INDOORAIR_082720	3097	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-6.3	-	-	-	-

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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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**Lab Number:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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								
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-07

Date Collected: 08/13/20 09:00

Client ID: CAN 354 SHELF 8

Date Received: 08/13/20

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	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-07

Date Collected: 08/13/20 09:00

Client ID: CAN 354 SHELF 8

Date Received: 08/13/20

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	100		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE, INC**Lab Number:** L2036150**Project Number:** 60527976**Report Date:** 09/09/20**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(*)
L2036150-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2036150-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

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.
LCS D	- 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.
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.

Footnotes

Report Format: Data Usability Report



Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

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

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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

Report Format: Data Usability Report



Project Name: ENDZONE, INC**Lab Number:** L2036150**Project Number:** 60527976**Report Date:** 09/09/20**Data Qualifiers**

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.

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2036150
Report Date: 09/09/20

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 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC.

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-905-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 INDOOR AIR - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15	Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vac	Final Vac											
3690-01	Bay 8B Indoor Air_082720	08-27-20	9:55	17:55	-29.99	-12.64	AA	GS	2.7L	2033	0205	☒	☐	☐	☐	☐	PID =
02	Bay 9 Indoor Air_082720	08-27-20	9:20	17:16	-29.89	-5.15	AA	GS	2.7L	2998	0204	☒	☐	☐	☐	☐	PID =
03	Bay 10 Indoor Air_082720	08-27-20	9:26	17:26	-29.78	-5.34	AA	GS	2.7L	2186	0383	☒	☐	☐	☐	☐	PID =
04	Bay 11 Indoor Air_082720	08-27-20	9:32	17:32	-29.88	-5.36	AA	GS	2.7L	2250	01298	☒	☐	☐	☐	☐	PID =
05	Bay 12 Indoor Air_082720	08-27-20	9:59	17:59	-30.36	-5.37	AA	GS	2.7L	2425	0270	☒	☐	☐	☐	☐	PID =
06	Bay 13 Indoor Air_082720	08-27-20	9:38	17:38	-29.89	-6.41	AA	GS	2.7L	156	01376	☒	☐	☐	☐	☐	PID =

*SAMPLE MATRIX CODES:

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Form 101-02 (1) Rev. 25-Sept-10

Container Type

C - - - - -

Relinquished By

Date/Time

Received By:

Date/Time

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms

AIR ANALYSIS

PAGE 2 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC.

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

 320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-8300 FAX: 508-822-3288

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-905-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 INDOOR AIR: - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH	FIXED GASES	Sulfides & Mercaptans			Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vac	Final Vac													
07	Bay 14_Indoor Air_082720	08-27-20	10:20	18:20	-30.06	-5.49	AA	GS	2.7L	175	01409	☒	☐	☐	☐	☐	☐	☐	PID =
08	Bay 14_OD Air_082820	08-28-20	9:45	15:06	-29.46	-14.73	AA	GS	2.7L	425	01535	☒	☐	☐	☐	☐	☐	☐	PID =
09	Bay 15_Indoor Air_082720	08-27-20	10:07	18:07	-30.07	-6.03	AA	GS	2.7L	3097	0729	☒	☐	☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	☐	☐	PID =

*SAMPLE MATRIX CODES:

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

Form 101-02 (1) Rev 25-Sept-15

Container Type

C - - - - -

Relinquished By

Date/Time

Received By:

Date/Time

 Relinquished By: [Signature]
 Date/Time: 9/12/2020 14:45

 Received By: [Signature]
 Date/Time: 9/12/2020 03:00

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.



ANALYTICAL REPORT

Lab Number:	L2036151
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976
Report Date:	09/09/20

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

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



Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036151
Report Date: 09/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2036151-01	BAY 9-MP4S-082820	SOIL_VAPOR	QUEENS, NEW YORK	08/28/20 13:55	09/01/20
L2036151-02	BAY 11-MP8S-082820	SOIL_VAPOR	QUEENS, NEW YORK	08/28/20 13:57	09/01/20
L2036151-03	BAY 13-MP12S-082820	SOIL_VAPOR	QUEENS, NEW YORK	08/28/20 14:01	09/01/20
L2036151-04	BAY 15-MP15S-082820	SOIL_VAPOR	QUEENS, NEW YORK	08/28/20 14:50	09/01/20

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036151
Report Date: 09/09/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC.**Lab Number:** L2036151**Project Number:** 60527976**Report Date:** 09/09/20**Case Narrative (continued)**

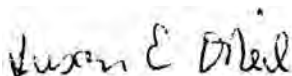
Volatile Organics in Air

Canisters were released from the laboratory on August 21, 2020. The canister certification results are provided as an addendum.

L2036151-01 through -04: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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:



Susan O'Neil

Title: Technical Director/Representative

Date: 09/09/20

AIR

Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036151**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036151-01 D
 Client ID: BAY 9-MP4S-082820
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/28/20 13:55
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/05/20 01:10
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
cis-1,2-Dichloroethene	13.8	1.00	--	54.7	3.96	--		5
Trichloroethene	369	1.00	--	1980	5.37	--		5
Tetrachloroethene	37.7	1.00	--	256	6.78	--		5

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



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036151**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036151-02 D
 Client ID: BAY 11-MP8S-082820
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/28/20 13:57
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/05/20 02:22
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
cis-1,2-Dichloroethene	57.9	2.00	--	230	7.93	--		10
Trichloroethene	682	2.00	--	3670	10.7	--		10
Tetrachloroethene	26.5	2.00	--	180	13.6	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	86		60-140



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036151**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036151-03 D
 Client ID: BAY 13-MP12S-082820
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/28/20 14:01
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 09/05/20 02:58

Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	3.33	--	ND	8.51	--		16.67
trans-1,2-Dichloroethene	ND	3.33	--	ND	13.2	--		16.67
cis-1,2-Dichloroethene	53.7	3.33	--	213	13.2	--		16.67
Trichloroethene	782	3.33	--	4200	17.9	--		16.67
Tetrachloroethene	23.4	3.33	--	159	22.6	--		16.67

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	89		60-140



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036151**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036151-04 D
 Client ID: BAY 15-MP15S-082820
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/28/20 14:50
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 09/05/20 03:34

Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	1.25	--	ND	3.20	--		6.25
trans-1,2-Dichloroethene	ND	1.25	--	ND	4.96	--		6.25
cis-1,2-Dichloroethene	22.2	1.25	--	88.0	4.96	--		6.25
Trichloroethene	441	1.25	--	2370	6.72	--		6.25
Tetrachloroethene	20.8	1.25	--	141	8.48	--		6.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	91		60-140



Project Name: ENDZONE, INC.**Lab Number:** L2036151**Project Number:** 60527976**Report Date:** 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/04/20 17:18

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: WG1406806-4								
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: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036151
Report Date: 09/09/20

Parameter	<i>LCS</i> %Recovery	Qual	<i>LCSD</i> %Recovery	Qual	<i>%Recovery</i> Limits	RPD	Qual	<i>RPD</i> Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1406806-3								
Vinyl chloride	117		-		70-130	-		
trans-1,2-Dichloroethene	122		-		70-130	-		
cis-1,2-Dichloroethene	126		-		70-130	-		
Trichloroethene	109		-		70-130	-		
Tetrachloroethene	119		-		70-130	-		

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2036151
Report Date: 09/09/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1406806-5 QC Sample: L2036151-01 Client ID: BAY 9-MP4S-082820						
Vinyl chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	13.8	14.6	ppbV	6		25
Trichloroethene	369	363	ppbV	2		25
Tetrachloroethene	37.7	37.9	ppbV	1		25

Project Name: ENDZONE, INC.

Project Number: 60527976

Serial_No:09092011:07
Lab Number: L2036151

Report Date: 09/09/20

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
L2036151-01	BAY 9-MP4S-082820	0735	Flow 2	08/21/20	327171		-	-	-	Pass	72	86	18
L2036151-01	BAY 9-MP4S-082820	188	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-5.1	-	-	-	-
L2036151-02	BAY 11-MP8S-082820	01924	Flow 2	08/21/20	327171		-	-	-	Pass	72	86	18
L2036151-02	BAY 11-MP8S-082820	245	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-4.1	-	-	-	-
L2036151-03	BAY 13-MP12S-082820	01812	Flow 2	08/21/20	327171		-	-	-	Pass	72	85	17
L2036151-03	BAY 13-MP12S-082820	2196	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-3.6	-	-	-	-
L2036151-04	BAY 15-MP15S-082820	01136	Flow 2	08/21/20	327171		-	-	-	Pass	72	86	18
L2036151-04	BAY 15-MP15S-082820	529	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.1	-4.9	-	-	-	-

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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-07

Date Collected: 08/13/20 09:00

Client ID: CAN 354 SHELF 8

Date Received: 08/13/20

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	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	100		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE, INC.**Lab Number:** L2036151**Project Number:** 60527976**Report Date:** 09/09/20**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(*)
L2036151-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036151-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036151-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036151-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: ENDZONE, INC.**Lab Number:** L2036151**Project Number:** 60527976**Report Date:** 09/09/20

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.
LCS D	- 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.
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.

Footnotes

Report Format: Data Usability Report

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036151
Report Date: 09/09/20

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

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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

Report Format: Data Usability Report



Project Name: ENDZONE, INC.**Lab Number:** L2036151**Project Number:** 60527976**Report Date:** 09/09/20**Data Qualifiers**

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.

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036151
Report Date: 09/09/20

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 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-905-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 ROUND - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

Date Rec'd in Lab: 9/12/20

ALPHA Job #: L2036151

Report/Data Deliverables Information

☐ FAX☒ EMAIL☒ ADEx☒ Add'l Deliverables

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed

Program

Residential/Commercial

NY

DEC State Standards

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15			Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vac	Final Vac													
8151-01	Bay 9-MP4S-082820	08-28-20	13:25	13:55	-29.66	-5.14	SV	GS	2.7L	188	0735	☒	☐	☐	☐	☐	☐	☐	PID = 12.2 ppm
02	Bay 11-MP8S-082820	08-28-20	13:27	13:57	-29.57	-4.23	SV	GS	2.7L	245	01824	☒	☐	☐	☐	☐	☐	☐	PID = 12.2 ppm
03	Bay13-MP12S-082820	08-28-20	13:31	14:01	-29.54	-3.78	SV	GS	2.7L	2196	01812	☒	☐	☐	☐	☐	☐	☐	PID = 12.3 ppm
04	Bay 15-MP15S-082820	08-28-20	14:20	14:50	-29.72	-4.96	SV	GS	2.7L	529	01136	☒	☐	☐	☐	☐	☐	☐	PID = 6.5 ppm
												☐	☐	☐	☐	☐	☐	☐	
												☐	☐	☐	☐	☐	☐	☐	

*SAMPLE MATRIX CODES:

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

Form: 161-02 (v) Rev: 25-Sep-18

Container Type

Relinquished By	Date/Time	Received By:	Date/Time
<i>Raimundo Matos</i> R. MATOS (AAL)	9/1/20 1300	<i>John Deane</i> J. DEANE (AAL)	9/1/20 1800
	9/1/20 1945		9/1/20 2100
			9/12/20 0300

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.



ANALYTICAL REPORT

Lab Number:	L2036153
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976
Report Date:	09/09/20

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

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



Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036153
Report Date: 09/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2036153-01	LOC-22-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 12:07	09/01/20
L2036153-02	LOC-25-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 12:15	09/01/20
L2036153-03	LOC-27-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 12:23	09/01/20
L2036153-04	LOC-27B-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 12:31	09/01/20
L2036153-05	LOC-24-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 13:05	09/01/20
L2036153-06	LOC-26-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 13:13	09/01/20
L2036153-07	LOC-28-SG-082620	SOIL_VAPOR	QUEENS, NEW YORK	08/26/20 13:23	09/01/20
L2036153-08	UNUSED CAN #411	SOIL_VAPOR	QUEENS, NEW YORK		09/01/20
L2036153-09	UNUSED CAN #401	SOIL_VAPOR	QUEENS, NEW YORK		09/01/20

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036153
Report Date: 09/09/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036153
Report Date: 09/09/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 21, 2020. The canister certification results are provided as an addendum.

Sample Receipt

L2036153-01: The sample identified as "Can ID #3436" on the chain of custody was identified as "Can ID #3400" on the container label. At the client's request, the sample is reported as "LOC-22-SG-082620".

L2036153-03: The sample identified as "Can ID #3400" on the chain of custody was identified as "Can ID #3436" on the container label. At the client's request, the sample is reported as "LOC-27-SG-082620".

L2036153-01, -02, -04, -05, -06 and -07: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:



Elizabeth Porta

Title: Technical Director/Representative

Date: 09/09/20

AIR

Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-01 D
 Client ID: LOC-22-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 12:07
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/08/20 23:25
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	11.5	--	ND	29.4	--		57.34
trans-1,2-Dichloroethene	13.0	11.5	--	51.5	45.6	--		57.34
cis-1,2-Dichloroethene	521	11.5	--	2070	45.6	--		57.34
Trichloroethene	3650	11.5	--	19600	61.8	--		57.34
Tetrachloroethene	57.0	11.5	--	387	78.0	--		57.34

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



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-02 D
 Client ID: LOC-25-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 12:15
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 09/09/20 00:02

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
cis-1,2-Dichloroethene	1.30	0.667	--	5.15	2.64	--		3.333
Trichloroethene	232	0.667	--	1250	3.58	--		3.333
Tetrachloroethene	43.1	0.667	--	292	4.52	--		3.333

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



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-03
 Client ID: LOC-27-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 12:23
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/09/20 00:42
 Analyst: TS

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	23.4	0.200	--	126	1.07	--		1
Tetrachloroethene	1.67	0.200	--	11.3	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	95		60-140



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-04 D
 Client ID: LOC-27B-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 12:31
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/09/20 01:19
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	2.50	--	ND	6.39	--		12.5
trans-1,2-Dichloroethene	ND	2.50	--	ND	9.91	--		12.5
cis-1,2-Dichloroethene	14.1	2.50	--	55.9	9.91	--		12.5
Trichloroethene	658	2.50	--	3540	13.4	--		12.5
Tetrachloroethene	10.4	2.50	--	70.5	17.0	--		12.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	90		60-140



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-05 D
 Client ID: LOC-24-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 13:05
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/09/20 01:57
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.370	--	ND	0.946	--		1.852
trans-1,2-Dichloroethene	ND	0.370	--	ND	1.47	--		1.852
cis-1,2-Dichloroethene	ND	0.370	--	ND	1.47	--		1.852
Trichloroethene	128	0.370	--	688	1.99	--		1.852
Tetrachloroethene	35.7	0.370	--	242	2.51	--		1.852

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



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-06 D
 Client ID: LOC-26-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 13:13
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/09/20 02:34
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	1.11	--	ND	2.84	--		5.556
trans-1,2-Dichloroethene	ND	1.11	--	ND	4.40	--		5.556
cis-1,2-Dichloroethene	1.83	1.11	--	7.26	4.40	--		5.556
Trichloroethene	354	1.11	--	1900	5.97	--		5.556
Tetrachloroethene	24.2	1.11	--	164	7.53	--		5.556

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140



Project Name: ENDZONE, INC.**Project Number:** 60527976**Lab Number:** L2036153**Report Date:** 09/09/20**SAMPLE RESULTS**

Lab ID: L2036153-07 D
 Client ID: LOC-28-SG-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 13:23
 Date Received: 09/01/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/09/20 03:11
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.714	--	ND	1.83	--		3.571
trans-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
cis-1,2-Dichloroethene	ND	0.714	--	ND	2.83	--		3.571
Trichloroethene	252	0.714	--	1350	3.84	--		3.571
Tetrachloroethene	14.7	0.714	--	99.7	4.84	--		3.571

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	94		60-140



Project Name: ENDZONE, INC.

Lab Number: L2036153

Project Number: 60527976

Report Date: 09/09/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/08/20 14:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1407494-4								
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: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2036153

Report Date: 09/09/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1407494-3								
Vinyl chloride	87		-		70-130	-		
trans-1,2-Dichloroethene	83		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		
Trichloroethene	94		-		70-130	-		
Tetrachloroethene	112		-		70-130	-		

Project Name: ENDZONE, INC.

Serial_No:09092016:11
Lab Number: L2036153

Project Number: 60527976

Report Date: 09/09/20

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
L2036153-01	LOC-22-SG-082620	01552	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.0	0
L2036153-01	LOC-22-SG-082620	3400	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.1	-5.3	-	-	-	-
L2036153-02	LOC-25-SG-082620	0401	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.1	1
L2036153-02	LOC-25-SG-082620	135	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.3	-5.0	-	-	-	-
L2036153-03	LOC-27-SG-082620	01802	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.3	2
L2036153-03	LOC-27-SG-082620	3436	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.1	-5.0	-	-	-	-
L2036153-04	LOC-27B-SG-082620	0047	Flow 4	08/21/20	327171		-	-	-	Pass	18.0	18.0	0
L2036153-04	LOC-27B-SG-082620	3177	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.1	-5.1	-	-	-	-
L2036153-05	LOC-24-SG-082620	01033	Flow 4	08/21/20	327171		-	-	-	Pass	18.0	18.1	1
L2036153-05	LOC-24-SG-082620	2345	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-5.0	-	-	-	-
L2036153-06	LOC-26-SG-082620	01510	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.5	3
L2036153-06	LOC-26-SG-082620	2213	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.2	-5.6	-	-	-	-
L2036153-07	LOC-28-SG-082620	0971	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.6	3
L2036153-07	LOC-28-SG-082620	3175	2.7L Can	08/21/20	327171	L2032783-06	Pass	-29.3	-5.6	-	-	-	-
L2036153-08	UNUSED CAN #411	01442	Flow 3	08/21/20	327171		-	-	-	Pass	18.0	18.2	1

Project Name: ENDZONE, INC.

Project Number: 60527976

Serial_No: 09092016:11
Lab Number: L2036153

Report Date: 09/09/20

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
L2036153-08	UNUSED CAN #411	411	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.1	-29.6	-	-	-	-
L2036153-09	UNUSED CAN #401	0341	Flow 2	08/21/20	327171		-	-	-	Pass	72	86	18
L2036153-09	UNUSED CAN #401	401	2.7L Can	08/21/20	327171	L2032783-07	Pass	-29.2	-29.6	-	-	-	-

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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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
Project Number: CANISTER QC BAT

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
 Client ID: CAN 2383 SHELF 7
 Sample Location:

Date Collected: 08/13/20 09:00
 Date Received: 08/13/20
 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	100		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:16
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-06
Client ID: CAN 2383 SHELF 7
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-06

Date Collected: 08/13/20 09:00

Client ID: CAN 2383 SHELF 7

Date Received: 08/13/20

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	100		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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:** L2032783**Project Number:** CANISTER QC BAT**Report Date:** 09/09/20**Air Canister Certification Results**

Lab ID: L2032783-07

Date Collected: 08/13/20 09:00

Client ID: CAN 354 SHELF 8

Date Received: 08/13/20

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	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/13/20 20:56
Analyst: EW

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: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



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

Lab Number: L2032783
Report Date: 09/09/20

Air Canister Certification Results

Lab ID: L2032783-07
Client ID: CAN 354 SHELF 8
Sample Location:

Date Collected: 08/13/20 09:00
Date Received: 08/13/20
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	100		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE, INC.**Lab Number:** L2036153**Project Number:** 60527976**Report Date:** 09/09/20**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(*)
L2036153-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L2036153-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L2036153-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: ENDZONE, INC.**Lab Number:** L2036153**Project Number:** 60527976**Report Date:** 09/09/20

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.
LCS D	- 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.
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.

Footnotes

Report Format: Data Usability Report

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036153
Report Date: 09/09/20

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

Terms

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

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

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

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

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

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

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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

Report Format: Data Usability Report



Project Name: ENDZONE, INC.**Lab Number:** L2036153**Project Number:** 60527976**Report Date:** 09/09/20**Data Qualifiers**

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.

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2036153
Report Date: 09/09/20

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 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-805-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 ROUND - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

NOTE: 9/3/3030 - Can ID# and FC ID# corrected/reversed for LOC-2 and LOC-27 and updated for LOC-26. Eames (AECOM)

Date Rec'd in Lab: 9/12/20

ALPHA Job #: L2036153

Report/Data Deliverables Information

☐ FAX

☒ EMAIL

☒ Same as Client info

PO #:

☒ ADEX

☒ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed

Program

Residential/Commercial

NY

DEC State Standards

Analysis

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15			Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vsc	Final Vsc													
36153-C1	LOC-22-SG-082620	08-26-20	10:07	12:07	-30.25	-5.38	SV	GS	2.7L	~~3436~~ 3400	~~01802~~ 01552	☒	☐	☐	☐	☐	☐	☐	PID = 8.6 ppm
02	LOC-25-SG-082620	08-26-20	10:15	12:15	-29.93	-5.41	SV	GS	2.7L	135	0401	☒	☐	☐	☐	☐	☐	☐	PID = 1.2 ppm
03	LOC-27-SG-082620	08-26-20	10:23	12:23	-30.25	-5.70	SV	GS	2.7L	~~3436~~ 3436	~~01802~~ 01802	☒	☐	☐	☐	☐	☐	☐	PID = 13.2 ppm
04	LOC-27B-SG-082620	08-26-20	10:31	12:31	-30.03	-5.00	SV	GS	2.7L	3177	0047	☒	☐	☐	☐	☐	☐	☐	PID = 3.1 ppm
05	LOC-24-SG-082620	08-26-20	11:05	13:05	-30.09	-5.35	SV	GS	2.7L	2345	01033	☒	☐	☐	☐	☐	☐	☐	PID = 0.8 ppm
06	LOC-26-SG-082620	08-26-20	11:13	13:13	-30.32	-5.62	SV	GS	2.7L	~~2231~~ 2213	~~01348~~ 01510	☒	☐	☐	☐	☐	☐	☐	PID = 1.8 ppm

*SAMPLE MATRIX CODES:

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

Form 101-Q2 (Rev. 25-Sep-14)

Container Type

Relinquished By	Date/Time	Received By:	Date/Time
<i>[Signature]</i> RATORES (AAL)	9/1/20 13:40	<i>[Signature]</i> RATORES (AAL)	9/1/20 18:35
<i>[Signature]</i> 9/12/20 03:00	9/1/20 14:15	<i>[Signature]</i> 9/12/20 03:00	9/12/20 03:00

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

AIR ANALYSIS

PAGE 2 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-905-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 ROUND - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15	Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vac	Final Vac											
07	LOC-28-5G-062620	06-26-20	11:23	13:23	-30.05	-5.51	SV	GS	2.7L	3175	0971	☒	☐	☐	☐	☐	PID = 1.3 ppm
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =

*SAMPLE MATRIX CODES:

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

Form 101-02 (1) Rev. 05-Sept-15

Container Type

Relinquished By	Date/Time	Received By	Date/Time
<i>Raimundo Matos</i>	9/1/20 13:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

AIR ANALYSIS

PAGE 1 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC

Project Location: QUEENS, NY

Project #: 60527876

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-805-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 ROUND - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

Date Rec'd in Lab: 9/12/20

ALPHA Job #: L2036153

Report/Data Deliverables Information Billing Information

☐ FAX

☒ EMAIL

☒ Same as Client info

PO #:

☒ ADEX

☒ Add'l Deliverables

Regulatory Requirements/Report Limits

State/Fed	Program	Residential/Commercial
NY	DEC State Standards	

Analysis

TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15			Sample Specific Comments (i.e. PID)
☒	☐	☐	☐	☐	☐	☐	PID = 8.6 ppm
☒	☐	☐	☐	☐	☐	☐	PID = 1.2 ppm
☒	☐	☐	☐	☐	☐	☐	PID = 13.2 ppm
☒	☐	☐	☐	☐	☐	☐	PID = 3.1 ppm
☒	☐	☐	☐	☐	☐	☐	PID = 0.8 ppm
☒	☐	☐	☐	☐	☐	☐	PID = 1.8 ppm

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller
		End Date	Start Time	End Time	Initial Vsc	Final Vsc					
36193-C1	LOC-22-SG-082620	08-26-20	10:07	12:07	-30.25	-5.38	SV	GS	2.7L	3436	D1802
02	LOC-25-SG-082620	08-26-20	10:15	12:15	-29.93	-5.41	SV	GS	2.7L	135	D401
03	LOC-27-SG-082620	08-26-20	10:23	12:23	-30.25	-5.70	SV	GS	2.7L	3400	D1552
04	LOC-27B-SG-082620	08-26-20	10:31	12:31	-30.03	-5.00	SV	GS	2.7L	3177	D047
05	LOC-24-SG-082620	08-26-20	11:05	13:05	-30.09	-5.35	SV	GS	2.7L	2345	D1033
06	LOC-26-SG-082620	08-26-20	11:13	13:13	-30.32	-5.62	SV	GS	2.7L	2231	D1348

*SAMPLE MATRIX CODES:

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

Form 101-Q2 (Rev. 25-Sep-14)

Container Type

Relinquished By	Date/Time	Received By:	Date/Time
 RAIMUNDO MATOS (AAL)	9/1/20 13:40	 RAIMUNDO MATOS (AAL)	9/1/20 18:35
 RAIMUNDO MATOS (AAL)	9/1/20 14:15	 RAIMUNDO MATOS (AAL)	9/1/20 18:35
 RAIMUNDO MATOS (AAL)	9/12/20 03:00	 RAIMUNDO MATOS (AAL)	9/12/20 03:00

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

AIR ANALYSIS

PAGE 2 OF 2



CHAIN OF CUSTODY

Project Information

Project Name: ENDZONE, INC

Project Location: QUEENS, NY

Project #: 60527976

Project Manager: Raimundo Matos

ALPHA Quote #: n/a

Turn-Around-Time

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

Date Due: Time:

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

Client Information

Client: AECOM

Address: 250 APOLLO DRIVE

CHELMSFORD, MA

Phone: 978-905-2100

Fax:

Email: raimundo.matos@aecom.com

☒ These samples have been Previously analyzed by Alpha

Other Project Specific Requirements/Comments:

☒ Project-Specific Target Compound List

May 2020 ROUND - TCE, PCE, Vinyl Chloride, trans-1,2-DCE and cis-1,2-DCE

All Columns Below Must Be Filled Out

Alpha Lab Use Only	Sample ID	Collection					Sample Matrix*	Sampler Initials	Can Size	ID Can	ID Flow Controller	TO-15	TO-15 SIM	APH Subtract non-petroleum HCs	FIXED GASES	Sulfides & Mercaptans by TO-15	Sample Specific Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vac	Final Vac											
07	LOC-28-5G-082820	08-26-20	11:23	13:23	-30.05	-5.51	SV	GS	2.7L	3175	0971	☒	☐	☐	☐	☐	PID = 1.3 ppm
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =
												☐	☐	☐	☐	☐	PID =

*SAMPLE MATRIX CODES:

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

Form 101-02 (1) Rev. 05-Sept-15

Container Type

Relinquished By	Date/Time	Received By	Date/Time
<i>Raimundo Matos</i>	9/1/20 13:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00
<i>ALPHA</i>	9/1/20 18:00	<i>ALPHA</i>	9/1/20 18:00

Please print clearly & legibly and completely. Samples cannot be logged in and turn around time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.



ANALYTICAL REPORT

Lab Number:	L2035262
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976
Report Date:	09/01/20

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-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2035262-01	TB-082520	WATER	QUEENS, NEW YORK	08/25/20 00:00	08/27/20
L2035262-02	MW-203-GWA13-082420	WATER	QUEENS, NEW YORK	08/24/20 15:00	08/27/20
L2035262-03	PZ-01D-GWA13-082520	WATER	QUEENS, NEW YORK	08/25/20 11:45	08/27/20
L2035262-04	PZ-01-GWA13-082520	WATER	QUEENS, NEW YORK	08/25/20 12:35	08/27/20
L2035262-05	BW201S-GWA13-082520	WATER	QUEENS, NEW YORK	08/25/20 13:40	08/27/20
L2035262-06	MW201S-GWB13-082520	WATER	QUEENS, NEW YORK	08/25/20 14:05	08/27/20
L2035262-07	MW-201D-GWA13-082620	WATER	QUEENS, NEW YORK	08/26/20 13:55	08/27/20
L2035262-08	PZ-08-GWA13-082420	WATER	QUEENS, NEW YORK	08/24/20 12:00	08/27/20
L2035262-09	PZ-09-GWA13-082420	WATER	QUEENS, NEW YORK	08/24/20 13:05	08/27/20
L2035262-10	PZ-10-GWA13-082420	WATER	QUEENS, NEW YORK	08/24/20 13:45	08/27/20
L2035262-11	EB-GWC-082420	WATER	QUEENS, NEW YORK	08/25/20 11:30	08/27/20

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The WG1405207-6/-7 MS/MSD recoveries, performed on L2035262-04, are below the acceptance criteria for trans-1,3-dichloropropene (MSD at 69%), vinyl acetate (67%/62%), and trans-1,4-dichloro-2-butene (MSD at 64%); however, the associated LCS/LCSD recoveries are within overall method allowances.

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:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 09/01/20

ORGANICS

VOLATILES

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-01
 Client ID: TB-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 00:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 15:32
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS****Lab ID:** L2035262-01**Date Collected:** 08/25/20 00:00**Client ID:** TB-082520**Date Received:** 08/27/20**Sample Location:** QUEENS, NEW YORK**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS****Lab ID:** L2035262-01**Date Collected:** 08/25/20 00:00**Client ID:** TB-082520**Date Received:** 08/27/20**Sample Location:** QUEENS, NEW YORK**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-02
 Client ID: MW-203-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 15:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/31/20 17:22

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	2.3	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.7		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.

Lab Number: L2035262

Project Number: 60527976

Report Date: 09/01/20

SAMPLE RESULTS

Lab ID: L2035262-02
 Client ID: MW-203-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 15:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	6.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS****Lab ID:** L2035262-02**Date Collected:** 08/24/20 15:00**Client ID:** MW-203-GWA13-082420**Date Received:** 08/27/20**Sample Location:** QUEENS, NEW YORK**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-03
 Client ID: PZ-01D-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/31/20 17:44

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.6	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.70		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-03
 Client ID: PZ-01D-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.80		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-03
 Client ID: PZ-01D-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	112		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-04
 Client ID: PZ-01-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 12:35
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 18:06
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-04
 Client ID: PZ-01-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 12:35
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.

Lab Number: L2035262

Project Number: 60527976

Report Date: 09/01/20

SAMPLE RESULTS

Lab ID: L2035262-04
 Client ID: PZ-01-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 12:35
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-05
 Client ID: BW201S-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 13:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 18:28
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	54		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.

Lab Number: L2035262

Project Number: 60527976

Report Date: 09/01/20

SAMPLE RESULTS

Lab ID: L2035262-05
 Client ID: BW201S-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 13:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	8.9		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.0		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	5.0		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-05
 Client ID: BW201S-GWA13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 13:40
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-06
 Client ID: MW201S-GWB13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 14:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 18:49
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	49		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-06
 Client ID: MW201S-GWB13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 14:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	8.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	4.8		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	4.8		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-06
 Client ID: MW201S-GWB13-082520
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 14:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-07
 Client ID: MW-201D-GWA13-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 13:55
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 19:11
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.87	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.0		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-07
 Client ID: MW-201D-GWA13-082620
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/26/20 13:55
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.7		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS****Lab ID:** L2035262-07**Date Collected:** 08/26/20 13:55**Client ID:** MW-201D-GWA13-082620**Date Received:** 08/27/20**Sample Location:** QUEENS, NEW YORK**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-08
 Client ID: PZ-08-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 08/31/20 21:23

Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.93	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.52		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-08
 Client ID: PZ-08-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-08
 Client ID: PZ-08-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 12:00
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	108		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-09
 Client ID: PZ-09-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 21:45
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.2		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	52		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-09
 Client ID: PZ-09-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	10		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	8.4		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	8.4		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-09
 Client ID: PZ-09-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:05
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	113		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-10
 Client ID: PZ-10-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 22:07
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.2	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	15		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-10
 Client ID: PZ-10-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	5.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-10
 Client ID: PZ-10-GWA13-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/24/20 13:45
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	109		70-130

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-11
 Client ID: EB-GWC-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:30
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/31/20 15:54
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-11
 Client ID: EB-GWC-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:30
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.1		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**SAMPLE RESULTS**

Lab ID: L2035262-11
 Client ID: EB-GWC-082420
 Sample Location: QUEENS, NEW YORK

Date Collected: 08/25/20 11:30
 Date Received: 08/27/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	110		70-130

Project Name: ENDZONE, INC.

Lab Number: L2035262

Project Number: 60527976

Report Date: 09/01/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/20 14:48
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1405207-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/20 14:48
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1405207-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/20 14:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1405207-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	112		70-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1405207-3 WG1405207-4								
Methylene chloride	92		94		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	96		100		63-130	4		20
1,1,2-Trichloroethane	94		93		70-130	1		20
Tetrachloroethene	89		86		70-130	3		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	91		94		62-150	3		20
1,2-Dichloroethane	92		100		70-130	8		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	97		100		67-130	3		20
trans-1,3-Dichloropropene	91		91		70-130	0		20
cis-1,3-Dichloropropene	92		94		70-130	2		20
1,1-Dichloropropene	96		96		70-130	0		20
Bromoform	92		100		54-136	8		20
1,1,2,2-Tetrachloroethane	87		94		67-130	8		20
Benzene	100		100		70-130	0		20
Toluene	96		99		70-130	3		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	81		80		64-130	1		20
Bromomethane	70		68		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1405207-3 WG1405207-4								
Vinyl chloride	75		74		55-140	1		20
Chloroethane	94		85		55-138	10		20
1,1-Dichloroethene	89		89		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		95		63-130	3		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	94		99		70-130	5		20
1,2,3-Trichloropropane	85		91		64-130	7		20
Acrylonitrile	90		92		70-130	2		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	48		51		36-147	6		20
Acetone	78		85		58-148	9		20
Carbon disulfide	89		84		51-130	6		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	79		80		70-130	1		20
4-Methyl-2-pentanone	82		91		59-130	10		20
2-Hexanone	70		79		57-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1405207-3 WG1405207-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	97		110		63-133	13		20
1,2-Dibromoethane	89		94		70-130	5		20
1,3-Dichloropropane	90		94		70-130	4		20
1,1,1,2-Tetrachloroethane	96		100		64-130	4		20
Bromobenzene	99		100		70-130	1		20
n-Butylbenzene	99		100		53-136	1		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	82		88		41-144	7		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	88		92		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	92		95		70-130	3		20
1,2,4-Trichlorobenzene	95		97		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	96		94		56-162	2		20
p-Diethylbenzene	98		100		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1405207-3 WG1405207-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	88		92		59-134	4		20
trans-1,4-Dichloro-2-butene	85		90		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	104		111		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1405207-6 WG1405207-7 QC Sample: L2035262-04 Client ID: PZ-01-GWA13-082520												
Methylene chloride	ND	10	8.4	84		8.6	86		70-130	2		20
1,1-Dichloroethane	ND	10	10	100		9.4	94		70-130	6		20
Chloroform	ND	10	9.9	99		9.0	90		70-130	10		20
Carbon tetrachloride	ND	10	10	100		9.9	99		63-132	1		20
1,2-Dichloropropane	ND	10	9.2	92		8.2	82		70-130	11		20
Dibromochloromethane	ND	10	9.4	94		8.1	81		63-130	15		20
1,1,2-Trichloroethane	ND	10	8.2	82		7.4	74		70-130	10		20
Tetrachloroethene	ND	10	8.9	89		7.6	76		70-130	16		20
Chlorobenzene	ND	10	9.0	90		8.1	81		75-130	11		20
Trichlorofluoromethane	ND	10	9.5	95		9.5	95		62-150	0		20
1,2-Dichloroethane	ND	10	9.5	95		8.9	89		70-130	7		20
1,1,1-Trichloroethane	ND	10	10	100		9.6	96		67-130	4		20
Bromodichloromethane	ND	10	9.0	90		8.6	86		67-130	5		20
trans-1,3-Dichloropropene	ND	10	7.9	79		6.9	69	Q	70-130	14		20
cis-1,3-Dichloropropene	ND	10	7.9	79		7.5	75		70-130	5		20
1,1-Dichloropropene	ND	10	9.7	97		8.9	89		70-130	9		20
Bromoform	ND	10	9.0	90		8.1	81		54-136	11		20
1,1,2,2-Tetrachloroethane	ND	10	8.5	85		7.5	75		67-130	13		20
Benzene	ND	10	8.8	88		8.4	84		70-130	5		20
Toluene	ND	10	8.9	89		7.9	79		70-130	12		20
Ethylbenzene	ND	10	9.2	92		8.0	80		70-130	14		20
Chloromethane	ND	10	8.1	81		7.6	76		64-130	6		20
Bromomethane	ND	10	5.9	59		5.6	56		39-139	5		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab PZ-01-GWA13-082520 Associated sample(s): 01-11 QC Batch ID: WG1405207-6 WG1405207-7 QC Sample: L2035262-04 Client ID:												
Vinyl chloride	ND	10	7.5	75		7.5	75		55-140	0		20
Chloroethane	ND	10	8.6	86		8.0	80		55-138	7		20
1,1-Dichloroethene	ND	10	8.1	81		7.8	78		61-145	4		20
trans-1,2-Dichloroethene	ND	10	9.2	92		8.4	84		70-130	9		20
Trichloroethene	ND	10	10	100		9.0	90		70-130	11		20
1,2-Dichlorobenzene	ND	10	9.2	92		8.2	82		70-130	11		20
1,3-Dichlorobenzene	ND	10	9.0	90		8.2	82		70-130	9		20
1,4-Dichlorobenzene	ND	10	8.9	89		8.2	82		70-130	8		20
Methyl tert butyl ether	ND	10	8.4	84		7.7	77		63-130	9		20
p/m-Xylene	ND	20	19	95		17	85		70-130	11		20
o-Xylene	ND	20	19	95		17	85		70-130	11		20
cis-1,2-Dichloroethene	ND	10	9.3	93		8.7	87		70-130	7		20
Dibromomethane	ND	10	8.8	88		8.3	83		70-130	6		20
1,2,3-Trichloropropane	ND	10	8.1	81		7.4	74		64-130	9		20
Acrylonitrile	ND	10	8.8	88		8.5	85		70-130	3		20
Styrene	ND	20	18	90		16	80		70-130	12		20
Dichlorodifluoromethane	ND	10	5.0	50		4.6J	46		36-147	8		20
Acetone	ND	10	9.5	95		9.1	91		58-148	4		20
Carbon disulfide	ND	10	7.7	77		8.1	81		51-130	5		20
2-Butanone	ND	10	11	110		10	100		63-138	10		20
Vinyl acetate	ND	10	6.7	67	Q	6.2	62	Q	70-130	8		20
4-Methyl-2-pentanone	ND	10	7.9	79		7.0	70		59-130	12		20
2-Hexanone	ND	10	7.0	70		6.8	68		57-130	3		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976

Lab Number: L2035262

Report Date: 09/01/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab PZ-01-GWA13-082520 Associated sample(s): 01-11 QC Batch ID: WG1405207-6 WG1405207-7 QC Sample: L2035262-04 Client ID:												
Bromochloromethane	ND	10	9.2	92		9.0	90		70-130	2		20
2,2-Dichloropropane	ND	10	8.2	82		7.3	73		63-133	12		20
1,2-Dibromoethane	ND	10	8.5	85		7.3	73		70-130	15		20
1,3-Dichloropropane	ND	10	8.4	84		7.6	76		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	9.3	93		8.0	80		64-130	15		20
Bromobenzene	ND	10	9.0	90		8.0	80		70-130	12		20
n-Butylbenzene	ND	10	9.2	92		8.0	80		53-136	14		20
sec-Butylbenzene	ND	10	9.6	96		8.5	85		70-130	12		20
tert-Butylbenzene	ND	10	8.5	85		7.7	77		70-130	10		20
o-Chlorotoluene	ND	10	9.3	93		8.4	84		70-130	10		20
p-Chlorotoluene	ND	10	9.3	93		8.3	83		70-130	11		20
1,2-Dibromo-3-chloropropane	ND	10	8.1	81		7.8	78		41-144	4		20
Hexachlorobutadiene	ND	10	9.4	94		8.1	81		63-130	15		20
Isopropylbenzene	ND	10	9.4	94		8.5	85		70-130	10		20
p-Isopropyltoluene	ND	10	9.5	95		8.4	84		70-130	12		20
Naphthalene	ND	10	7.8	78		7.1	71		70-130	9		20
n-Propylbenzene	ND	10	9.4	94		8.4	84		69-130	11		20
1,2,3-Trichlorobenzene	ND	10	8.4	84		7.6	76		70-130	10		20
1,2,4-Trichlorobenzene	ND	10	8.1	81		7.3	73		70-130	10		20
1,3,5-Trimethylbenzene	ND	10	9.8	98		8.5	85		64-130	14		20
1,2,4-Trimethylbenzene	ND	10	9.4	94		8.2	82		70-130	14		20
1,4-Dioxane	ND	500	420	84		500	100		56-162	17		20
p-Diethylbenzene	ND	10	9.2	92		8.1	81		70-130	13		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1405207-6 WG1405207-7 QC Sample: L2035262-04 Client ID: PZ-01-GWA13-082520												
p-Ethyltoluene	ND	10	9.5	95		8.4	84		70-130	12		20
1,2,4,5-Tetramethylbenzene	ND	10	8.9	89		7.8	78		70-130	13		20
Ethyl ether	ND	10	7.4	74		7.4	74		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	7.8	78		6.4	64	Q	70-130	20		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		120		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	105		116		70-130
Toluene-d8	95		96		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976

Serial_No:09012018:00
Lab Number: L2035262
Report Date: 09/01/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035262-01A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-01B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-02A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-02B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-02C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-03A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-03B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-03C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04A1	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04A2	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04B1	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04B2	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04C1	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-04C2	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-05A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-05B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-05C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-06A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-06B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-06C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.
Project Number: 60527976

Serial_No:09012018:00
Lab Number: L2035262
Report Date: 09/01/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2035262-07A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-07B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-07C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-08A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-08B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-08C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-09A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-09B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-09C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-10A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-10B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-10C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-11A	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-11B	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)
L2035262-11C	Vial HCl preserved	A	NA		4.6	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20

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.
LCS D	- 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.
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.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: ENDZONE, INC.**Lab Number:** L2035262**Project Number:** 60527976**Report Date:** 09/01/20**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: ENDZONE, INC.
Project Number: 60527976

Lab Number: L2035262
Report Date: 09/01/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 120 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Manwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 8/27/20		ALPHA Job # 120352162																																																																					
		Project Information Project Name: Endzone, Inc. Project Location: Queens, New York Project #: 60527976 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☒ EQUIS (1 File) ☐ EQUIS (4 File) ☒ Other		Billing Information ☒ Same as Client Info PO #																																																																							
Client Information Client: AECOM Address: 250 APOLLO DRIVE Chelmsford, MA Phone: 978-905-2100 Fax: Email: raimundo.matos@aecom.com		Project Manager: Rai Matos ALPHAQuote #: n/a Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☒ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities: Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																							
These samples have been previously analyzed by Alpha ☒ Other project specific requirements/comments: 1) EDD in NYDEC Format Required, 2) May 2021 GW Round, 3) VOCs SW-846 Method 8260B						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)																																																																					
Please specify Metals or TAL.						VOC 8260		Sample Specific Comments																																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>35262-01</td> <td>TB-082520</td> <td>8/25/2020</td> <td></td> <td>TB</td> <td></td> </tr> <tr> <td>-02</td> <td>MW-203-GWA13-082420</td> <td>8/24/2020</td> <td>15:00</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-03</td> <td>PZ-01D-GWA13-082520</td> <td>8/25/2020</td> <td>11:45</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-04</td> <td>PZ-01-GWA13-082520</td> <td>8/25/2020</td> <td>12:35</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-05</td> <td>MW-201S-GWA13-082520</td> <td>8/25/2020</td> <td>13:40</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-06</td> <td>MW-201S-GWB13-082520</td> <td>8/25/2020</td> <td>14:05</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-07</td> <td>MW-201D-GWA13-082620</td> <td>8/26/2020</td> <td>13:55</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-08</td> <td>PZ-08-GWA13-082420</td> <td>8/24/2020</td> <td>12:00</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-09</td> <td>PZ-09-GWA13-082420</td> <td>8/24/2020</td> <td>13:05</td> <td>GW</td> <td>GS</td> </tr> <tr> <td>-10</td> <td>PZ-10-GWA13-082420</td> <td>8/24/2020</td> <td>13:45</td> <td>GW</td> <td>GS</td> </tr> </tbody> </table>										ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	35262-01	TB-082520	8/25/2020		TB		-02	MW-203-GWA13-082420	8/24/2020	15:00	GW	GS	-03	PZ-01D-GWA13-082520	8/25/2020	11:45	GW	GS	-04	PZ-01-GWA13-082520	8/25/2020	12:35	GW	GS	-05	MW-201S-GWA13-082520	8/25/2020	13:40	GW	GS	-06	MW-201S-GWB13-082520	8/25/2020	14:05	GW	GS	-07	MW-201D-GWA13-082620	8/26/2020	13:55	GW	GS	-08	PZ-08-GWA13-082420	8/24/2020	12:00	GW	GS	-09	PZ-09-GWA13-082420	8/24/2020	13:05	GW	GS	-10	PZ-10-GWA13-082420	8/24/2020	13:45	GW	GS
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-09	PZ-09-GWA13-082420	8/24/2020	13:05	GW	GS																																																																								
-10	PZ-10-GWA13-082420	8/24/2020	13:45	GW	GS																																																																								
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = NaOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Acet/NaOH O = Other						Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = E-core D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015																																																																					
Container Type: V						Preservative: B		Please print clearly, legibly and completely. Samples can not be logged in a 1d turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.																																																																					
Relinquished By: <i>[Signature]</i> Date/Time: 8/27/20 11:00						Received By: <i>[Signature]</i> Date/Time: 8/27/20 10:53		Relinquished By: <i>[Signature]</i> Date/Time: 8/27/20 13:40																																																																					
Relinquished By: <i>[Signature]</i> Date/Time: 8/27/20 2:12						Received By: <i>[Signature]</i> Date/Time: 8/27/20 2:18		Relinquished By: <i>[Signature]</i> Date/Time: 8/27/20 2:18																																																																					

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Manwah, NJ 07430: 35 Whitely Rd, Suite 6 Albany, NY 12205: 14 Walke Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 8/27/20		ALPHA Job # 12635262	
		Client Information Client: AECOM Address: 250 APOLLO DRIVE Chelmsford, MA Phone: 978-905-2100 Fax: Email: raimundo.matos@aecom.com		Project Information Project Name: Endzone, Inc. Project Location: Queens, New York Project #: 60527976 (Use Project name as Project #) ☐ Project Manager: Rai Matos ALPHAQuote #: n/a Turn-Around Time: Standard ☒ Rush (only if pre approved) ☐ Due Date: # of Days: 		Deliverables ☐ ASP-A ☐ ASP-B ☒ EQUIS (1 File) ☐ EQUIS (4 File) ☒ Other 		Billing Information ☒ Same as Client Info PO # 	
Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☒ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other: 		Other project specific requirements/comments: 1) EDD in NYDEC Format Required, 2) May 2020 GW Round, 3) VOCs SW-846 Method 8260B Please specify Metals or TAL. 		ANALYSIS VOC 8260		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) 	
(These samples have been previously analyzed by Alpha) ☒		Sample ID EB-C/WC-082420		Collection Date: 8/25/2020 Time: 11:30		Sample Matrix EB		Sampler's Initials GS	
ALPHA Lab ID (Lab Use Only) 35262-11		Date: 8/25/2020 Time: 11:30		Sample Matrix: EB		Sampler's Initials: GS		Sample Specific Comments 	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ I/E = Zn / cit/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Val G = Glass B = Bacteria Cup C = Cube O = Other E = E-core D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V		Preservative B	
Relinquished By: Rai Matos		Date/Time: 8/27/20 11:00		Received By: Rai Matos		Date/Time: 8/27/20 10:53		Please print clearly, legibly and completely. Samples can not be logged in a rd turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.	
Form No: (11-25 (rev. 30-Sept-2013))		Relinquished By: Rai Matos		Date/Time: 8/27/20 11:00		Received By: Rai Matos		Date/Time: 8/27/20 10:53	

Appendix D
Laboratory Analytical Data Report – November 2020



ANALYTICAL REPORT

Lab Number:	L2050910
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC
Project Number:	60527976
Report Date:	11/24/20

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

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



Project Name: ENDZONE, INC

Project Number: 60527976

Lab Number: L2050910

Report Date: 11/24/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2050910-01	BAY 8B_MP1S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 14:00	11/17/20
L2050910-02	BAY 9_MP4S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 10:38	11/17/20
L2050910-03	BAY 9_MP4D_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 11:45	11/17/20
L2050910-04	BAY 10_MP5S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 10:55	11/17/20
L2050910-05	BAY 11_MP8S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 11:53	11/17/20
L2050910-06	BAY 11_MP8D_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 12:40	11/17/20
L2050910-07	BAY 12_MP9S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 14:17	11/17/20
L2050910-08	BAY 12_MP9D_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 15:02	11/17/20
L2050910-09	BAY 13_MP12S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 11:58	11/17/20
L2050910-10	BAY 14_MP14S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 12:51	11/17/20
L2050910-11	BAY 15_MP15S_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 15:00	11/17/20
L2050910-12	BAY 15_MP15D_111320	SOIL_VAPOR	QUEENS, NY	11/13/20 15:39	11/17/20

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 11, 2020. The canister certification results are provided as an addendum.

L2050910-03,-05,-06,-08,-09, and -12: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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

Authorized Signature:

 Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/24/20

AIR

Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-01
 Client ID: BAY 8B_MP1S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 14:00
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/23/20 22:47
 Analyst: TS

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	0.050	0.020	--	0.198	0.079	--		1
cis-1,2-Dichloroethene	0.567	0.020	--	2.25	0.079	--		1
Trichloroethene	15.5	0.020	--	83.3	0.107	--		1
Tetrachloroethene	0.544	0.020	--	3.69	0.136	--		1

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



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-02
 Client ID: BAY 9_MP4S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 10:38
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/23/20 23:26
 Analyst: TS

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	0.052	0.020	--	0.206	0.079	--		1
cis-1,2-Dichloroethene	0.982	0.020	--	3.89	0.079	--		1
Trichloroethene	19.6	0.020	--	105	0.107	--		1
Tetrachloroethene	0.794	0.020	--	5.38	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-03 D
 Client ID: BAY 9_MP4D_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 11:45
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 00:43
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.262	--	ND	0.670	--		13.12
trans-1,2-Dichloroethene	0.394	0.262	--	1.56	1.04	--		13.12
cis-1,2-Dichloroethene	12.3	0.262	--	48.8	1.04	--		13.12
Trichloroethene	518	0.262	--	2780	1.41	--		13.12
Tetrachloroethene	27.0	0.262	--	183	1.78	--		13.12

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-04
 Client ID: BAY 10_MP5S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 10:55
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 01:21
 Analyst: TS

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	0.124	0.020	--	0.492	0.079	--		1
cis-1,2-Dichloroethene	1.66	0.020	--	6.58	0.079	--		1
Trichloroethene	13.4	0.020	--	72.0	0.107	--		1
Tetrachloroethene	0.345	0.020	--	2.34	0.136	--		1

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



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-05 D
 Client ID: BAY 11_MP8S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 11:53
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 01:58
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.040	--	ND	0.102	--		2
trans-1,2-Dichloroethene	0.226	0.040	--	0.896	0.159	--		2
cis-1,2-Dichloroethene	6.90	0.040	--	27.4	0.159	--		2
Trichloroethene	53.4	0.040	--	287	0.215	--		2
Tetrachloroethene	1.85	0.040	--	12.5	0.271	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	92		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-06 D
 Client ID: BAY 11_MP8D_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 12:40
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 02:36
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.405	--	ND	1.04	--		20.26
trans-1,2-Dichloroethene	1.90	0.405	--	7.53	1.61	--		20.26
cis-1,2-Dichloroethene	46.4	0.405	--	184	1.61	--		20.26
Trichloroethene	843	0.405	--	4530	2.18	--		20.26
Tetrachloroethene	23.5	0.405	--	159	2.75	--		20.26

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



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-07
 Client ID: BAY 12_MP9S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 14:17
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 03:15
 Analyst: TS

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	0.292	0.020	--	1.16	0.079	--		1
cis-1,2-Dichloroethene	2.66	0.020	--	10.5	0.079	--		1
Trichloroethene	32.0	0.020	--	172	0.107	--		1
Tetrachloroethene	1.07	0.020	--	7.26	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-08 D
 Client ID: BAY 12_MP9D_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 15:02
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 03:52
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.426	--	ND	1.09	--		21.28
trans-1,2-Dichloroethene	1.77	0.426	--	7.02	1.69	--		21.28
cis-1,2-Dichloroethene	14.8	0.426	--	58.7	1.69	--		21.28
Trichloroethene	895	0.426	--	4810	2.29	--		21.28
Tetrachloroethene	39.2	0.426	--	266	2.89	--		21.28

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-09 D
 Client ID: BAY 13_MP12S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 11:58
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 07:11
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.025	--	ND	0.064	--		1.25
trans-1,2-Dichloroethene	0.086	0.025	--	0.342	0.099	--		1.25
cis-1,2-Dichloroethene	1.69	0.025	--	6.70	0.099	--		1.25
Trichloroethene	37.6	0.025	--	202	0.134	--		1.25
Tetrachloroethene	1.64	0.025	--	11.1	0.170	--		1.25

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



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-10
 Client ID: BAY 14_MP14S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 12:51
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 05:09
 Analyst: TS

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	0.071	0.020	--	0.282	0.079	--		1
cis-1,2-Dichloroethene	0.540	0.020	--	2.14	0.079	--		1
Trichloroethene	23.3	0.020	--	125	0.107	--		1
Tetrachloroethene	0.992	0.020	--	6.73	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-11
 Client ID: BAY 15_MP15S_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 15:00
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 05:48
 Analyst: TS

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	0.046	0.020	--	0.182	0.079	--		1
cis-1,2-Dichloroethene	0.577	0.020	--	2.29	0.079	--		1
Trichloroethene	24.0	0.020	--	129	0.107	--		1
Tetrachloroethene	3.24	0.020	--	22.0	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050910**Report Date:** 11/24/20**SAMPLE RESULTS**

Lab ID: L2050910-12 D
 Client ID: BAY 15_MP15D_111320
 Sample Location: QUEENS, NY

Date Collected: 11/13/20 15:39
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/24/20 06:25
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.364	--	ND	0.930	--		18.22
trans-1,2-Dichloroethene	0.638	0.364	--	2.53	1.44	--		18.22
cis-1,2-Dichloroethene	26.0	0.364	--	103	1.44	--		18.22
Trichloroethene	781	0.364	--	4200	1.96	--		18.22
Tetrachloroethene	33.0	0.364	--	224	2.47	--		18.22

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140



Project Name: ENDZONE, INC

Lab Number: L2050910

Project Number: 60527976

Report Date: 11/24/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/23/20 15:26

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-12 Batch: WG1437648-4								
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: ENDZONE, INC

Project Number: 60527976

Lab Number: L2050910

Report Date: 11/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-12 Batch: WG1437648-3								
Vinyl chloride	81		-		70-130	-		25
trans-1,2-Dichloroethene	88		-		70-130	-		25
cis-1,2-Dichloroethene	94		-		70-130	-		25
Trichloroethene	98		-		70-130	-		25
Tetrachloroethene	84		-		70-130	-		25

Project Name: ENDZONE, INC

Project Number: 60527976

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2050910

Report Date: 11/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-12 QC Batch ID: WG1437648-5 QC Sample: L2050910-02 Client ID: BAY 9_MP4S_111320						
Vinyl chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	0.052	0.052	ppbV	0		25
cis-1,2-Dichloroethene	0.982	0.982	ppbV	0		25
Trichloroethene	19.6	19.6	ppbV	0		25
Tetrachloroethene	0.794	0.791	ppbV	0		25

Project Name: ENDZONE, INC

Project Number: 60527976

Serial_No:11242015:51
Lab Number: L2050910

Report Date: 11/24/20

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
L2050910-01	BAY 8B_MP1S_111320	0068	Flow 2	11/11/20	335450		-	-	-	Pass	72	74	3
L2050910-01	BAY 8B_MP1S_111320	2301	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.4	-	-	-	-
L2050910-02	BAY 9_MP4S_111320	01800	Flow 2	11/11/20	335450		-	-	-	Pass	72	72	0
L2050910-02	BAY 9_MP4S_111320	2995	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.5	-5.5	-	-	-	-
L2050910-03	BAY 9_MP4D_111320	01926	Flow 2	11/11/20	335450		-	-	-	Pass	72	73	1
L2050910-03	BAY 9_MP4D_111320	2384	2.7L Can	11/11/20	335450	L2044220-06	Pass	-28.9	-3.1	-	-	-	-
L2050910-04	BAY 10_MP5S_111320	01766	Flow 1	11/11/20	335450		-	-	-	Pass	72	75	4
L2050910-04	BAY 10_MP5S_111320	2556	2.7L Can	11/11/20	335450	L2044220-06	Pass	-29.6	-4.2	-	-	-	-
L2050910-05	BAY 11_MP8S_111320	01715	Flow 2	11/11/20	335450		-	-	-	Pass	72	72	0
L2050910-05	BAY 11_MP8S_111320	3201	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.6	-4.4	-	-	-	-
L2050910-06	BAY 11_MP8D_111320	0805	Flow 2	11/11/20	335450		-	-	-	Pass	72	71	1
L2050910-06	BAY 11_MP8D_111320	2249	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.4	-	-	-	-
L2050910-07	BAY 12_MP9S_111320	01551	Flow 2	11/11/20	335450		-	-	-	Pass	72	70	3
L2050910-07	BAY 12_MP9S_111320	3181	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.1	-	-	-	-
L2050910-08	BAY 12_MP9D_111320	0343	Flow 2	11/11/20	335450		-	-	-	Pass	72	71	1

Project Name: ENDZONE, INC

Project Number: 60527976

Serial_No:11242015:51
Lab Number: L2050910

Report Date: 11/24/20

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
L2050910-08	BAY 12_MP9D_111320	1723	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.7	-	-	-	-
L2050910-09	BAY 13_MP12S_111320	01014	Flow 2	11/11/20	335450		-	-	-	Pass	72	75	4
L2050910-09	BAY 13_MP12S_111320	2079	2.7L Can	11/11/20	335450	L2044220-06	Pass	-28.2	-3.8	-	-	-	-
L2050910-10	BAY 14_MP14S_111320	01509	Flow 2	11/11/20	335450		-	-	-	Pass	72	73	1
L2050910-10	BAY 14_MP14S_111320	514	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.5	-3.5	-	-	-	-
L2050910-11	BAY 15_MP15S_111320	01005	Flow 1	11/11/20	335450		-	-	-	Pass	72	72	0
L2050910-11	BAY 15_MP15S_111320	3215	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.8	-	-	-	-
L2050910-12	BAY 15_MP15D_111320	0303	Flow 2	11/11/20	335450		-	-	-	Pass	72	75	4
L2050910-12	BAY 15_MP15D_111320	2589	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.8	-3.9	-	-	-	-

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

Lab Number: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/16/20 03:39
Analyst: TS

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: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
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: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
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: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
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:** L2044220**Project Number:** CANISTER QC BAT**Report Date:** 11/24/20**Air Canister Certification Results**

Lab ID: L2044220-06

Date Collected: 10/15/20 09:00

Client ID: CAN 2430 SHELF 9

Date Received: 10/15/20

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	110		60-140
Bromochloromethane	113		60-140
chlorobenzene-d5	103		60-140



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

Lab Number: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/16/20 03:39
Analyst: TS

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: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



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

Lab Number: L2044220
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2044220-06
Client ID: CAN 2430 SHELF 9
Sample Location:

Date Collected: 10/15/20 09:00
Date Received: 10/15/20
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	105		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	93		60-140



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/23/20 21:12
Analyst: EW

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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
 Client ID: CAN 3456 SHELF 12
 Sample Location:

Date Collected: 10/21/20 16:00
 Date Received: 10/22/20
 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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/23/20 21:12
Analyst: TS

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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2045771**Project Number:** CANISTER QC BAT**Report Date:** 11/24/20**Air Canister Certification Results**

Lab ID: L2045771-01

Date Collected: 10/21/20 16:00

Client ID: CAN 3456 SHELF 12

Date Received: 10/22/20

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	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/23/20 21:54
Analyst: EW

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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
 Client ID: CAN 1747 SHELF 18
 Sample Location:

Date Collected: 10/21/20 16:00
 Date Received: 10/22/20
 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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	79		60-140



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

Lab Number: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/23/20 21:54
Analyst: TS

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: L2045771
Report Date: 11/24/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2045771**Project Number:** CANISTER QC BAT**Report Date:** 11/24/20**Air Canister Certification Results**

Lab ID: L2045771-02

Date Collected: 10/21/20 16:00

Client ID: CAN 1747 SHELF 18

Date Received: 10/22/20

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	93		60-140
chlorobenzene-d5	91		60-140



Project Name: ENDZONE, INC**Lab Number:** L2050910**Project Number:** 60527976**Report Date:** 11/24/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2050910-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050910-12A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

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: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.

Report Format: Data Usability Report



Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

Data Qualifiers

- 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.

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050910
Report Date: 11/24/20

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 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

 AIR ANALYSIS CHAIN OF CUSTODY		PAGE <u>1</u> OF <u>2</u>		Date Rec'd in Lab: <u>11/17/20</u>		ALPHA Job #: <u>L2050910</u>												
Client Information		Project Information		Report Information - Data Deliverables		Billing Information												
320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		Project Name: <u>Endzone Inc</u> Project Location: <u>Queens, NY</u> Project #: <u>60527976</u> Project Manager: <u>Rui Mator</u> ALPHA Quote #: <u>-</u>		☐ FAX ☒ ADEx Criteria Checker: _____ (Default based on Regulatory Criteria Indicated) Other Formats: _____ ☒ EMAIL (standard pdf report) ☐ Additional Deliverables: <u>NYS EDD</u> Report to: <u>Mator and David.austin@aecsm.com</u>		☒ Same as Client info PO #: _____												
Client: <u>AECOM</u> Address: <u>250 Apollo Drive</u> <u>Chelmsford, MA</u> Phone: <u>978 434 6077</u> Fax: _____ Email: <u>Ra.mundo.mator@aecsm.com</u>		Turn-Around Time ☒ Standard ☐ RUSH (only confirmed if pre-approved!) Date Due: _____ Time: _____		Regulatory Requirements/Report Limits <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> <tr> <td><u>NY</u></td> <td><u>DEC</u></td> <td></td> </tr> </table>		State/Fed	Program	Res / Comm	<u>NY</u>	<u>DEC</u>								
State/Fed	Program	Res / Comm																
<u>NY</u>	<u>DEC</u>																	
☐ These samples have been previously analyzed by Alpha Other Project Specific Requirements/Comments: Project-Specific Target Compound List: <u>TCE, PCE, VC, trans-1,2 DCE and cis-1,2 DCE</u>																		
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 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
<u>60910-01</u>	<u>Bay 8B-MP15-111320</u>	<u>111320</u>	<u>1330</u>	<u>1400</u>	<u>-30.41</u>	<u>-4.57</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2301</u>	<u>0008</u>	<u>x</u>						
<u>02</u>	<u>Bay 9-MP45-111320</u>	<u>111320</u>	<u>1008</u>	<u>1038</u>	<u>-29.98</u>	<u>-6.97</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2995</u>	<u>1800</u>	<u>x</u>						
<u>03</u>	<u>Bay 9-MP4D-111320</u>	<u>111320</u>	<u>1114</u>	<u>1145</u>	<u>-28.99</u>	<u>-4.75</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2384</u>	<u>1926</u>	<u>x</u>						
<u>04</u>	<u>Bay 10-MP55-111320</u>	<u>111320</u>	<u>1025</u>	<u>1055</u>	<u>-30.17</u>	<u>-5.76</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2536</u>	<u>1766</u>	<u>x</u>						
<u>05</u>	<u>Bay 11-MP85-111320</u>	<u>111320</u>	<u>1122</u>	<u>1153</u>	<u>-30.00</u>	<u>-5.51</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>3201</u>	<u>1715</u>	<u>x</u>						
<u>06</u>	<u>Bay 11-MP8D-111320</u>	<u>111320</u>	<u>1209</u>	<u>1240</u>	<u>-29.87</u>	<u>-5.48</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2249</u>	<u>0805</u>	<u>x</u>						
<u>07</u>	<u>Bay 12-MP95-111320</u>	<u>111320</u>	<u>1345</u>	<u>1417</u>	<u>-30.08</u>	<u>-5.67</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>3181</u>	<u>0155</u>	<u>x</u>						
<u>08</u>	<u>Bay 12-MP9D-111320</u>	<u>111320</u>	<u>1450</u>	<u>1502</u>	<u>-29.72</u>	<u>-5.82</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>1723</u>	<u>0243</u>	<u>x</u>						
<u>09</u>	<u>Bay 12-MP125-111320</u>	<u>111320</u>	<u>1135</u>	<u>1158</u>	<u>-28.62</u>	<u>-4.92</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>2079</u>	<u>1014</u>	<u>x</u>						
<u>10</u>	<u>Bay 14-MP145-111320</u>	<u>111320</u>	<u>1220</u>	<u>1251</u>	<u>-30.04</u>	<u>-4.68</u>	<u>SV</u>	<u>RM</u>	<u>2.7</u>	<u>514</u>	<u>1509</u>	<u>x</u>						
*SAMPLE MATRIX CODES		AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify						Container Type		<u>SUMMA 2.7L</u>								
Relinquished By:		Date/Time:		Received By:		Date/Time:												
<u>Mator</u>		<u>11/16/20</u>		<u>Rob Mator</u>		<u>11/16/20</u>												
<u>Ue R Mator</u>		<u>11/17/20</u>		<u>Ue R Mator</u>		<u>11/17/20</u>												
<u>Rob Mator</u>		<u>11/17/20</u>		<u>Rob Mator</u>		<u>11/17/20</u>												
<u>Rob Mator</u>		<u>11/17/20</u>		<u>Rob Mator</u>		<u>11/17/20</u>												

CHAIN OF CUSTODY

PAGE 2 OF 2

Client Information

Fax:

☐ These samples have been previously analyzed by Alpha

Project-Specific Target Compound List: ☐ TCE, PCE, VC, trans 1,2 DCE and cis 1,2 DCE

All Columns Below Must Be Filled Out

[illegible]

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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



ANALYTICAL REPORT

Lab Number:	L2049013
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	OZONE
Project Number:	60527976.11
Report Date:	11/13/20

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

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



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2049013-01	LOC-22-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 15:19	11/06/20
L2049013-02	LOC-24-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 16:05	11/06/20
L2049013-03	LOC-25-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 15:12	11/06/20
L2049013-04	LOC-26-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 15:41	11/06/20
L2049013-05	LOC-27-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 15:07	11/06/20
L2049013-06	LOC-27B-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 14:58	11/06/20
L2049013-07	LOC-28-SG-110520	SOIL_VAPOR	OZONE PARK, NY	11/05/20 15:47	11/06/20
L2049013-08	UNUSED CAN #260	SOIL_VAPOR	OZONE PARK, NY		11/06/20

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Case Narrative

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

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

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

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

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

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

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 4, 2020. The canister certification results are provided as an addendum.

L2049013-02 through -07: The samples has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2049013-04 and -06: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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

Authorized Signature:



Kelly O'Neill

Title: Technical Director/Representative

Date: 11/13/20

AIR

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-01
 Client ID: LOC-22-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:19
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 02:38
 Analyst: EW

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	41.3	0.020	--	222	0.107	--		1
Tetrachloroethene	1.91	0.020	--	13.0	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-02 D
 Client ID: LOC-24-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 16:05
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 03:53
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.050	--	ND	0.128	--		2.5
trans-1,2-Dichloroethene	ND	0.050	--	ND	0.198	--		2.5
cis-1,2-Dichloroethene	0.210	0.050	--	0.833	0.198	--		2.5
Trichloroethene	86.7	0.050	--	466	0.269	--		2.5
Tetrachloroethene	41.0	0.050	--	278	0.339	--		2.5

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



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-03 D
 Client ID: LOC-25-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:12
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 04:28
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.100	--	ND	0.256	--		5
trans-1,2-Dichloroethene	0.185	0.100	--	0.733	0.396	--		5
cis-1,2-Dichloroethene	0.635	0.100	--	2.52	0.396	--		5
Trichloroethene	156	0.100	--	838	0.537	--		5
Tetrachloroethene	10.7	0.100	--	72.6	0.678	--		5

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



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-04 D
 Client ID: LOC-26-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:41
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/13/20 08:04
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	312	1.00	--	1680	5.37	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	96		60-140



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-04 D
 Client ID: LOC-26-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:41
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 08:04
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.100	--	ND	0.256	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
cis-1,2-Dichloroethene	1.10	0.100	--	4.36	0.396	--		5
Tetrachloroethene	28.2	0.100	--	191	0.678	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-05 D
 Client ID: LOC-27-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:07
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 05:40
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	1.27	--	ND	3.25	--		63.61
trans-1,2-Dichloroethene	11.4	1.27	--	45.2	5.04	--		63.61
cis-1,2-Dichloroethene	326	1.27	--	1290	5.04	--		63.61
Trichloroethene	2020	1.27	--	10900	6.83	--		63.61
Tetrachloroethene	50.1	1.27	--	340	8.61	--		63.61

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	99		60-140



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-06 D
 Client ID: LOC-27B-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 14:58
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/13/20 08:40
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	804	2.00	--	4320	10.7	--		10

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



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-06 D
 Client ID: LOC-27B-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 14:58
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 08:40
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
trans-1,2-Dichloroethene	0.320	0.200	--	1.27	0.793	--		10
cis-1,2-Dichloroethene	12.0	0.200	--	47.6	0.793	--		10
Tetrachloroethene	17.8	0.200	--	121	1.36	--		10

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



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

SAMPLE RESULTS

Lab ID: L2049013-07 D
 Client ID: LOC-28-SG-110520
 Sample Location: OZONE PARK, NY

Date Collected: 11/05/20 15:47
 Date Received: 11/06/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/13/20 06:52
 Analyst: EW

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.143	--	ND	0.366	--		7.143
trans-1,2-Dichloroethene	ND	0.143	--	ND	0.567	--		7.143
cis-1,2-Dichloroethene	0.236	0.143	--	0.936	0.567	--		7.143
Trichloroethene	196	0.143	--	1050	0.769	--		7.143
Tetrachloroethene	16.6	0.143	--	113	0.970	--		7.143

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	95		60-140



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 11/12/20 20:14

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG1433748-4								
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

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 11/12/20 19:35

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 04,06 Batch: WG1433990-4								
Trichloroethene	ND	0.200	--	ND	1.07	--		1



Lab Control Sample Analysis Batch Quality Control

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG1433748-3								
Vinyl chloride	75		-		70-130	-		25
trans-1,2-Dichloroethene	70		-		70-130	-		25
cis-1,2-Dichloroethene	71		-		70-130	-		25
Trichloroethene	83		-		70-130	-		25
Tetrachloroethene	90		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 04,06 Batch: WG1433990-3								
Trichloroethene	90		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1433748-5 QC Sample: L2049013-01 Client ID: LOC-22-SG-110520						
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	41.3	41.4	ppbV	0		25
Tetrachloroethene	1.91	1.92	ppbV	1		25

Project Name: OZONE
Project Number: 60527976.11

Serial_No:11132015:41
Lab Number: L2049013
Report Date: 11/13/20

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
L2049013-01	LOC-22-SG-110520	01588	Flow 4	11/05/20	335119		-	-	-	Pass	18.0	17.1	5
L2049013-01	LOC-22-SG-110520	3104	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.3	-6.9	-	-	-	-
L2049013-02	LOC-24-SG-110520	0543	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.1	1
L2049013-02	LOC-24-SG-110520	3443	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.3	-3.5	-	-	-	-
L2049013-03	LOC-25-SG-110520	0934	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.2	1
L2049013-03	LOC-25-SG-110520	3447	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.4	-4.5	-	-	-	-
L2049013-04	LOC-26-SG-110520	01477	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	19.2	6
L2049013-04	LOC-26-SG-110520	2078	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.4	-3.6	-	-	-	-
L2049013-05	LOC-27-SG-110520	01822	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.1	1
L2049013-05	LOC-27-SG-110520	2734	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.3	-3.9	-	-	-	-
L2049013-06	LOC-27B-SG-110520	01548	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.5	3
L2049013-06	LOC-27B-SG-110520	2850	2.7L Can	11/04/20	334869	L2043524-02	Pass	-28.8	-3.3	-	-	-	-
L2049013-07	LOC-28-SG-110520	01942	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.3	2
L2049013-07	LOC-28-SG-110520	2280	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.4	-3.9	-	-	-	-
L2049013-08	UNUSED CAN #260	01456	Flow 3	11/05/20	335119		-	-	-	Pass	18.0	18.7	4

Project Name: OZONE
Project Number: 60527976.11

Serial_No: 11132015:41
Lab Number: L2049013
Report Date: 11/13/20

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
L2049013-08	UNUSED CAN #260	260	2.7L Can	11/04/20	334869	L2043524-02	Pass	-29.4	-23.9	-	-	-	-

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

Lab Number: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/19/20 18:16
Analyst: TS

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: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
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: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
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: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
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:** L2043524**Project Number:** CANISTER QC BAT**Report Date:** 11/13/20**Air Canister Certification Results**

Lab ID: L2043524-02

Date Collected: 10/10/20 16:00

Client ID: CAN 472 SHELF 15

Date Received: 10/12/20

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	83		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	82		60-140



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

Lab Number: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/19/20 18:16
Analyst: TS

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: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



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

Lab Number: L2043524
Report Date: 11/13/20

Air Canister Certification Results

Lab ID: L2043524-02
Client ID: CAN 472 SHELF 15
Sample Location:

Date Collected: 10/10/20 16:00
Date Received: 10/12/20
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
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	79		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	81		60-140



Project Name: OZONE**Lab Number:** L2049013**Project Number:** 60527976.11**Report Date:** 11/13/20**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(*)
L2049013-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2049013-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2049013-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2049013-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2049013-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2049013-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2049013-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2049013-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

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
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.

Report Format: Data Usability Report



Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

Data Qualifiers

- 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.

Project Name: OZONE
Project Number: 60527976.11

Lab Number: L2049013
Report Date: 11/13/20

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 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

 AIR ANALYSIS CHAIN OF CUSTODY 320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		PAGE _____ OF _____		Date Rec'd in Lab: <u>11/7/20</u>		ALPHA Job #: <u>L2049013</u>												
		Project Information		Report Information - Data Deliverables		Billing Information												
Client Information		Project Name: <u>OZONE</u>		☐ FAX ☒ ADEx Criteria Checker: _____ (Default based on Regulatory Criteria Indicated) Other Formats: _____ ☒ EMAIL (standard pdf report) ☒ Additional Deliverables: <u>EDD</u> Report to: (if different than Project Manager) _____		☒ Same as Client Info PO #: _____ 												
		Project Location: <u>OZONE PARK, NY</u> Project #: <u>60527976.11</u> Project Manager: <u>RAI MATOS</u> ALPHA Quote #: _____		Regulatory Requirements/Report Limits <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>		State/Fed	Program	Res / Comm										
State/Fed	Program	Res / Comm																
Client: <u>AECOM</u> Address: <u>250 APOLLO DRIVE</u> <u>CHILMSFORD, MA 01324</u> Phone: <u>(978) 915-2100</u> Fax: <u>(978) 905-2101</u> Email: <u>rai.mundo.matos@aecom.com</u>		Turn-Around Time		ANALYSIS ☒ Standard ☐ RUSH (only confirmed if pre-approved!) Date Due: _____ Time: _____														
☐ These samples have been previously analyzed by Alpha Other Project Specific Requirements/Comments: _____ Project-Specific Target Compound List: ☒ <u>VINYL CHLORIDE, TRANS-1,2-DCE, CIS-1,2-DCE, TCE, PCE</u>		☒ Standard ☐ RUSH (only confirmed if pre-approved!)																
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 SIM	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
<u>4903-01</u>	<u>LOC-22-S4-110520</u>	<u>11/05/20</u>	<u>13:19</u>	<u>15:19</u>	<u>-29.10</u>	<u>-8.20</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>3104</u>	<u>01538</u>	☒						
<u>-02</u>	<u>LOC-24-S4-110520</u>	<u>11/5/20</u>	<u>14:05</u>	<u>16:05</u>	<u>-30.21</u>	<u>-5.00</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>0543</u>	<u>3443</u>	☒						
<u>-03</u>	<u>LOC-25-S4-110520</u>	<u>11/5/20</u>	<u>13:12</u>	<u>15:12</u>	<u>-29.90</u>	<u>-6.00</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>0934</u>	<u>3447</u>	☒						
<u>-04</u>	<u>LOC-26-S4-110520</u>	<u>11/5/20</u>	<u>13:41</u>	<u>15:41</u>	<u>-30.56</u>	<u>-9.08</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>0477</u>	<u>2073</u>	☒						
<u>-05</u>	<u>LOC-27-S4-110520</u>	<u>11/5/20</u>	<u>13:07</u>	<u>15:07</u>	<u>-30.90</u>	<u>-5.25</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>01322</u>	<u>2734</u>	☒						
<u>-06</u>	<u>LOC-27B-S4-110520</u>	<u>11/5/20</u>	<u>12:58</u>	<u>14:58</u>	<u>-30.53</u>	<u>-4.39</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>01548</u>	<u>2850</u>	☒						
<u>-07</u>	<u>LOC-28-S4-110520</u>	<u>11/5/20</u>	<u>13:47</u>	<u>15:47</u>	<u>-30.66</u>	<u>-5.55</u>	<u>SV</u>	<u>RW/AG</u>	<u>2.7L</u>	<u>01942</u>	<u>2280</u>	☒						
*SAMPLE MATRIX CODES		AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify						Container Type		<u>CS</u>		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: <u>[Signature]</u>		Date/Time: <u>11/6/20 2:20</u>		Received By: <u>[Signature]</u>		Date/Time: <u>11/6/20 15:00</u>												



ANALYTICAL REPORT

Lab Number:	L2050899
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC
Project Number:	60527976
Report Date:	11/23/20

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

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



Project Name: ENDZONE, INC

Project Number: 60527976

Lab Number: L2050899

Report Date: 11/23/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2050899-01	BAY 8B_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:45	11/17/20
L2050899-02	BAY 9_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:57	11/17/20
L2050899-03	BAY 10_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 17:00	11/17/20
L2050899-04	BAY 11_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:50	11/17/20
L2050899-05	BAY 12_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:58	11/17/20
L2050899-06	BAY 13_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 17:19	11/17/20
L2050899-07	BAY 14_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 17:12	11/17/20
L2050899-08	BAY 14_OUTDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:42	11/17/20
L2050899-09	BAY 15_INDOORAIR_111220	AIR	QUEENS, NY	11/12/20 16:50	11/17/20
L2050899-10	UNUSED-CAN#3429	AIR	QUEENS, NY		11/17/20
L2050899-11	UNUSED-CAN#340	AIR	QUEENS, NY		11/17/20

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

Case Narrative

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

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

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

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

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

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

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 11, 2020. The canister certification results are provided as an addendum.

Sample Receipt

The canister ID number for the sample designated BAY 13_INDOORAIR_111220 (L2050899-06) is listed on the CoC as 3358 but should be 2358.

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: 11/23/20

AIR

Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-01
 Client ID: BAY 8B_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:45
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 20:05
 Analyst: TS

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	0.102	0.020	--	0.692	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-02
 Client ID: BAY 9_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:57
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 20:45
 Analyst: TS

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	0.023	0.020	--	0.124	0.107	--		1
Tetrachloroethene	0.615	0.020	--	4.17	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-03
 Client ID: BAY 10_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 17:00
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 21:25
 Analyst: TS

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	0.132	0.020	--	0.709	0.107	--		1
Tetrachloroethene	0.730	0.020	--	4.95	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-04
 Client ID: BAY 11_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:50
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 22:05
 Analyst: TS

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	0.028	0.020	--	0.150	0.107	--		1
Tetrachloroethene	1.31	0.020	--	8.88	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-05
 Client ID: BAY 12_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:58
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 22:44
 Analyst: TS

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	0.395	0.020	--	2.68	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-06
 Client ID: BAY 13_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 17:19
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 23:24
 Analyst: TS

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	0.054	0.020	--	0.290	0.107	--		1
Tetrachloroethene	1.79	0.020	--	12.1	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-07
 Client ID: BAY 14_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 17:12
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/22/20 00:04
 Analyst: TS

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	0.035	0.020	--	0.188	0.107	--		1
Tetrachloroethene	0.353	0.020	--	2.39	0.136	--		1

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



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-08
 Client ID: BAY 14_OUTDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:42
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/21/20 19:26
 Analyst: TS

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	0.040	0.020	--	0.215	0.107	--		1
Tetrachloroethene	0.204	0.020	--	1.38	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140



Project Name: ENDZONE, INC**Project Number:** 60527976**Lab Number:** L2050899**Report Date:** 11/23/20**SAMPLE RESULTS**

Lab ID: L2050899-09
 Client ID: BAY 15_INDOORAIR_111220
 Sample Location: QUEENS, NY

Date Collected: 11/12/20 16:50
 Date Received: 11/17/20
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/22/20 00:43
 Analyst: TS

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	0.136	0.020	--	0.731	0.107	--		1
Tetrachloroethene	2.29	0.020	--	15.5	0.136	--		1

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



Project Name: ENDZONE, INC

Lab Number: L2050899

Project Number: 60527976

Report Date: 11/23/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/21/20 18:06

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-09 Batch: WG1437114-4								
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: ENDZONE, INC

Project Number: 60527976

Lab Number: L2050899

Report Date: 11/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-09 Batch: WG1437114-3								
Vinyl chloride	84		-		70-130	-		25
trans-1,2-Dichloroethene	81		-		70-130	-		25
cis-1,2-Dichloroethene	83		-		70-130	-		25
Trichloroethene	86		-		70-130	-		25
Tetrachloroethene	75		-		70-130	-		25

Project Name: ENDZONE, INC

Serial_No:11232012:55
Lab Number: L2050899

Project Number: 60527976

Report Date: 11/23/20

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
L2050899-01	BAY 8B_INDOORAIR_111220	01117	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.1	9
L2050899-01	BAY 8B_INDOORAIR_111220	3398	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.6	-5.3	-	-	-	-
L2050899-02	BAY 9_INDOORAIR_111220	01491	Flow 3	11/11/20	335450		-	-	-	Pass	4.5	3.9	14
L2050899-02	BAY 9_INDOORAIR_111220	536	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.5	-5.0	-	-	-	-
L2050899-03	BAY 10_INDOORAIR_111220	01488	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.1	9
L2050899-03	BAY 10_INDOORAIR_111220	3241	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.5	-4.2	-	-	-	-
L2050899-04	BAY 11_INDOORAIR_111220	0500	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.6	2
L2050899-04	BAY 11_INDOORAIR_111220	202	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-4.4	-	-	-	-
L2050899-05	BAY 12_INDOORAIR_111220	01640	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.8	6
L2050899-05	BAY 12_INDOORAIR_111220	2761	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.8	-3.8	-	-	-	-
L2050899-06	BAY 13_INDOORAIR_111220	01684	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.5	0
L2050899-06	BAY 13_INDOORAIR_111220	2358	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-3.7	-	-	-	-
L2050899-07	BAY 14_INDOORAIR_111220	0001	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.3	5
L2050899-07	BAY 14_INDOORAIR_111220	549	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.6	-1.3	-	-	-	-
L2050899-08	BAY 14_OUTDOORAIR_111220	01675	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.4	2

Project Name: ENDZONE, INC

Project Number: 60527976

Serial_No:11232012:55
Lab Number: L2050899

Report Date: 11/23/20

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
L2050899-08	BAY 14_OUTDOORAIR_111220	3214	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-3.2	-	-	-	-
L2050899-09	BAY 15_INDOORAIR_111220	0101	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.1	9
L2050899-09	BAY 15_INDOORAIR_111220	2297	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.6	-5.4	-	-	-	-
L2050899-10	UNUSED-CAN#3429	01172	Flow 5	11/11/20	335450		-	-	-	Pass	4.5	4.3	5
L2050899-10	UNUSED-CAN#3429	3429	2.7L Can	11/11/20	335450	L2045771-01	Pass	-29.5	-29.1	-	-	-	-
L2050899-11	UNUSED-CAN#340	0968	Flow 2	11/11/20	335450		-	-	-	Pass	72	70	3
L2050899-11	UNUSED-CAN#340	340	2.7L Can	11/11/20	335450	L2045771-02	Pass	-29.7	-29.3	-	-	-	-

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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/23/20 21:12
Analyst: EW

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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
 Client ID: CAN 3456 SHELF 12
 Sample Location:

Date Collected: 10/21/20 16:00
 Date Received: 10/22/20
 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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/23/20 21:12
Analyst: TS

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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-01
Client ID: CAN 3456 SHELF 12
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2045771**Project Number:** CANISTER QC BAT**Report Date:** 11/23/20**Air Canister Certification Results**

Lab ID: L2045771-01

Date Collected: 10/21/20 16:00

Client ID: CAN 3456 SHELF 12

Date Received: 10/22/20

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	97		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/23/20 21:54
Analyst: EW

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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
Xylenes, total	ND	0.600	--	ND	0.869	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2045771**Project Number:** CANISTER QC BAT**Report Date:** 11/23/20**Air Canister Certification Results**

Lab ID: L2045771-02

Date Collected: 10/21/20 16:00

Client ID: CAN 1747 SHELF 18

Date Received: 10/22/20

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								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	79		60-140



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

Lab Number: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/23/20 21:54
Analyst: TS

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: L2045771
Report Date: 11/23/20

Air Canister Certification Results

Lab ID: L2045771-02
Client ID: CAN 1747 SHELF 18
Sample Location:

Date Collected: 10/21/20 16:00
Date Received: 10/22/20
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	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2045771**Project Number:** CANISTER QC BAT**Report Date:** 11/23/20**Air Canister Certification Results**

Lab ID: L2045771-02

Date Collected: 10/21/20 16:00

Client ID: CAN 1747 SHELF 18

Date Received: 10/22/20

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	93		60-140
chlorobenzene-d5	91		60-140



Project Name: ENDZONE, INC**Lab Number:** L2050899**Project Number:** 60527976**Report Date:** 11/23/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2050899-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L2050899-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L2050899-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

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: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

Footnotes

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

Terms

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

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

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

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

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

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where 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.

Report Format: Data Usability Report



Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

Data Qualifiers

- 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.

Project Name: ENDZONE, INC
Project Number: 60527976

Lab Number: L2050899
Report Date: 11/23/20

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 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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



CHAIN OF CUSTODY

AIR ANALYSIS

PAGE 1 of 1

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Phone: **978 434 6077**

Fax:

Email: **Raimundo.matos@aecom.com**☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: **End Zone Inc.**
Project Location: **Queens, NY**
Project #: **60527976**
Project Manager: **Raimatos**
ALPHA Quote #: **-**

Turn-Around Time

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

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: **TCE, PCE, VC, trans, 1,2 DCE and cis-1,2 DCE**Date Rec'd in Lab: **11/17/20**

Report Information - Data Deliverables

☐ FAX☒ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)☐ Additional Deliverables: **NYS EDD**

Report to: (if different than Project Manager)

matos and
David Austin
aeom.com

ALPHA Job #: **L2050899**

Billing Information

☒ Same as Client Info PO#:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	DEC	

ANALYSIS

TO-15
TO-15 SIM
APH (subject Non-problem VOCs)
Fixed Gases
Sulfides & Mercaptans by TO-15

Please note
that the
"end time"
is part of
the sample
ID.

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 SIM APH Fixed Gases Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum						
S0899-01	Bay 8B Indoor Air	11/20	9:03	16:45	-30.07	-6.68	AA	Rm	2.7	3358	1117	x
02	Bay 9 Indoor Air	11/20	8:50	16:57	-30.12	-6.22	AA	Rm	2.7	536	1491	x
03	Bay 10 Indoor Air	11/20	9:15	17:00	-30.06	-5.38	AA	Rm	2.7	324	1488	x
04	Bay 11 Indoor Air	11/20	8:55	16:50	-30.07	-5.59	AA	Rm	2.7	202	500	x
05	Bay 12 Indoor Air	11/20	9:02	16:58	-30.10	-5.06	AA	Rm	2.7	276	1640	x
06	Bay 13 Indoor Air	11/20	9:15	17:19	-30.07	-4.79	AA	Rm	2.7	8358	1684	x
07	Bay 14 Indoor Air	11/20	9:05	17:12	-24.95	-2.54	AA	Rm	2.7	549	6001	x
08	Bay 14 Outdoor Air	11/20	9:07	16:42	-30.47	-4.39	AA	Rm	2.7	3214	1675	x
09	Bay 15 Indoor Air	11/20	9:05	16:50	-30.09	-6.25	AA	Rm	2.7	2297	0101	x

*SAMPLE MATRIX CODES

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

Container Type

Summa
2.7L

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:

Matos
Rob Maestri

11/16/20
11/17/20

Rob Maestri
Allen

11/17/20
11/17/20

11/17/20
11/17/20