



Prepared for:
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January 2020

Former Ozone Industries, Inc. Site, Ozone Park, Queens New York
NYSDEC Site Number: 2-41-033

January 2020 Progress Report: May through December 2019



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A handwritten signature in black ink, appearing to read "Matt Pearsall".

Prepared by Matthew Pearsall

A handwritten signature in black ink, appearing to read "Raimundo Matos".

Reviewed by Raimundo Matos

A handwritten signature in black ink, appearing to read "David Austin".

Reviewed by David Austin

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1.0 Introduction

On behalf of Endzone Inc. (Endzone), AECOM has prepared this Progress Report for the period of May through December 2019, which summarizes the results of the Operation and Maintenance (O&M) of the Soil Vapor Extraction (SVE) and Sub-slab Depressurization (SSD) remedial systems at the Former Ozone Industries, Inc. site (New York State Department of Environmental Conservation [NYSDEC] Site Number: 2-41-033). This report covers the nine-month period within the fourth year of system operation between May 1, 2019 and December 31, 2019.

In addition to the O&M results for this period, this Progress Report also provides the following:

1. May 2019 groundwater and offsite soil gas sampling results per the approved November 2018 work plan;
2. August 2019 groundwater and offsite soil gas sampling results per the approved November 2018 work plan;
3. November - December 2019 groundwater, onsite ambient air and soil gas sampling, and offsite soil gas sampling results per the approved October 2019 work plan; and
4. Site visit with NYSDEC representatives in June 2019.

The events completed in May and August 2019 consisted of the third and fourth quarter sampling rounds as prescribed in the November 2018 workplan. The event completed in November 2019 was the first sampling event of the post-shutdown rebound period as outlined in the October 2019 workplan (system off and quarterly sampling for one year). The remaining three sampling events are scheduled to be conducted in February, May, and August 2020.

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.

2.0 SVE/SSD Operation and Maintenance

This section presents the evaluation of the system influent and effluent analytical air sampling data and the field data collected during each of the O&M site visits between May 1, 2019 and August 2019. The O&M events were conducted on a monthly basis through August when the SVE and SSD systems were shut down for an extended period of time to monitor rebound (pursuant to the approved October 2019 work plan) as communicated with NYSDEC. Regular O&M site visits will be restarted upon further discussion with NYSDEC. **Figure 2** depicts the Bays and systems.

2.1 O&M Events

Monthly O&M events were conducted on May 29, June 17, July 15, and August 12, 2019 before the system was shut off for an extended rebound period. Periodic inspections at the site occurred when the systems were off but no formal O&M events were conducted. The following information was primarily gathered during the O&M events:

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

2.1.1 SSD

When the SSD system was in operation, it maintained an average flowrate of 290.70 cubic feet per minute (SCFM) (with a range between 275.56 SCFM and 284.76 SCFM) applied to the 8 SSD legs. The vacuum applied to each leg was individually adjusted to provide a minimum flowrate of at least 30 SCFM to each bay to maintain adequate protection of potential subsurface vapor migration as outlined in the ISMP. During each O&M visit when the system was running, the flowrate at each leg was measured with a hot wire anemometer to check that the flowrate was adequate to provide sufficient vacuum at each point. Although the flowrates at each leg decreased slightly from past rounds, vacuum measured at each SSD leg confirming a consistent negative pressure underneath the slab.

Influent volatile organic compounds (VOCs) were measured with a calibrated photoionization detector (PID) in parts per billion (ppb) from each of the SSD legs during each event. During this period, VOC readings from each individual SSD leg were generally all below the detection limit of the PID. Total VOC levels prior to carbon treatment were below detection limits during all O&M events, indicating the lack of VOCs present in the shallow soils.

2.1.2 SVE

The SVE system maintained an average total flowrate of 285.00 SCFM during this period. Like the SSD system, the vacuum applied to each of the 22 SVE wells was manually adjusted so that each leg maintained a minimum flowrate of approximately 25 SCFM, as stated in the ISMP. Although the ISMP estimates that a vacuum of 10 inches of water column (IWC) be applied at each leg of the manifold, the actual vacuum measured ranged from 0.9 to 7.6 IWC.

Influent VOCs from each of the SVE legs were measured with a calibrated PID during each event. VOC readings from individual SVE legs during this period ranged from non-detect to a maximum of 14.5 ppm. The highest PID readings recorded during the O&M events continue to be reported from SVE-18, the deep well in the center of Bay 8. The VOC concentrations in this well did not decrease significantly from week to week but have remained low when compared to earlier rounds. Refer to **Appendix A** for monthly O&M summary tables.

2.1.3 Combined Systems Operation

In each of the eight Bays, two shallow monitoring points, each at a depth of 1.5 feet below ground surface (bgs) were monitored to observe SSD system influence. Two deep monitoring points, each at a depth of approximately 15 feet bgs, were monitored in each Bay to observe SVE influence. In addition to these monitoring points, two wells each at a depth of 30 feet bgs were also monitored in Bay 12 because that Bay has bi-level SVE wells which extend to approximately 30 feet bgs. During each O&M event, the vacuum influence and the VOC concentrations were measured at each monitoring point with a manometer and PID, respectively.

Consistent vacuum influence was observed across all shallow points at an average of 0.19 IWC and has remained above 0.15 IWC for the duration of the monitoring period this quarter in most points, indicating that there is a constant negative pressure under the sub slab throughout the area of concern (8 Bays at site). Consistent vacuum influence was observed across all deep points at an average of approximately 0.50 IWC and has remained above 0.20 IWC in subsequent monitoring events in the majority of points indicating the installed SVE system achieves the predicted influence throughout the site or Bays. Because adequate measurable vacuum influence has been defined as 0.05 IWC for this project, it is confirmed that the SSD system is operating as designed and providing appropriate mitigation when operational. Additionally, the measured vacuums in the deeper monitoring points are significantly higher than necessary to facilitate removal of residual VOCs from soils and are also considered to be operating as designed.

2.2 Laboratory Analyses of Air Samples – Quarterly System Samples

Due to the limited operational period for the system during this reporting period, only one round of quarterly air samples from the system were collected on July 13, 2019 from the SVE influent, SSD influent (both before carbon treatment), and the total combined effluent (following carbon treatment). A partial sample was collected on June 11, 2019 of just the total combined effluent, but the full round of sampling was conducted during the July event. Per compliance requirements established in a memorandum issued by the NYSDEC on February 28, 2003 (Substantive Compliance with Air

Requirements), the emissions from the system is not to exceed 0.5 lbs/hr. The results of the completed air sampling events are shown in **Table 1**.

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

Based on the results from the last sampling event, it is not likely that the new carbon (replaced in October 2018) has achieved breakthrough. The July 2019 laboratory data for the SVE influent, SSD influent, and total effluent are summarized as follows:

- As noted on **Table 1**, the total VOC concentration ($2,870 \text{ ug/m}^3$) for the SVE influent was comparable to the most recent previous total VOC concentration collected in February 2019. Compounds which have been historically detected in the SVE vapor stream (cis-1,2-dichloroethene, trichloroethene [TCE], and tetrachloroethene [PCE]) were again detected during this event. Toluene was detected in the SVE influent stream for the first time at a concentration of 4.03 ug/m^3 . The general similarity in these results suggests that the concentrations continues the asymptotic trend and that the SVE system is reaching its limits of effectiveness.
- The total VOC concentration (111 ug/m^3) for the SSD-influent sample was similar to previous post-rebound restart samples. Although several compounds were detected above laboratory reporting limits, the compounds detected had all been detected in previous sampling events and the concentrations were generally similar to the most recent sampling events. Levels of several compounds (acetone, chloromethane, cis-1,2-dichloroethene, benzene, and TCE) increased slightly from the last sampling event in February 2019, but these were generally still below the initial concentrations observed during system start up in 2016.
- The Total Effluent VOC concentration collected following carbon treatment indicated VOC removal was occurring, with a concentration of 58 ug/m^3 .

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

Mass removal achieved from the SVE system is approximately 0.00305 lbs/hr whereas; the mass removal from the SSD system is approximately 0.00012 lbs/hr. When the mass removal rate for the SVE and SSD system are totaled for each sampling event, it is below the aforementioned discharge limit requiring pollution control. The mass of contaminants discharged to the atmosphere following carbon treatment was an average of 0.00013 lbs/hr.

Two graphs are included in **Appendix C** which depict VOC concentrations vs time for the influent (prior to treatment) SSD and SVE systems. In the influent SVE chart, well SVE-18 continues to be the point with the highest VOC concentrations. These levels have remained relatively consistent over the course of the reporting period and significant changes were not observed during post-rebound (April 2018) monitoring. As mentioned earlier, several wells have been closed in order to focus the vacuum

to the areas where the highest VOC concentrations have been observed. These wells continue to show an either decreasing or stagnant level of VOCs detected. The SSD chart continues to show that VOC concentrations are typically non-detect during routine O&M events. Analytical results are still well below the initial concentration observed at the startup of the systems.

3.0 Groundwater Sampling

This section summarizes the analytical results of the groundwater samples collected at the site per the NYSDEC approved November 2018 and October 2019 workplans. On May 21-22 and August 19-21, AECOM conducted the third and fourth groundwater sampling events under the November 2018 work plan, and for the October 2019 workplan, sampling was conducted on November 18-20, 2019 (first of four rounds). The following monitoring wells were gauged and sampled. See attached **Figure 1** for monitoring well locations.

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

Note: Monitoring well MW-201S (downgradient of the site Bays) is part of the quarterly sampling program; however, this well could not be sampled during the May 2019 event due to access issues (i.e., vehicles parked in the area). AECOM returned to the site in numerous occasions, but the area continues to have vehicles parked over the monitoring well. This monitoring well was subsequently sampled during the August and November 2019 sampling events.

All the wells were gauged 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 forms are provided in **Appendix D**.

The laboratory results of the May, August and November 2019 groundwater sampling events are summarized in the attached **Table 3**. **Table 3** includes data from 2016 through 2019, and the May, August and November 2019 samples are highlighted in the header. The Alpha laboratory analytical reports are provided in **Appendix E**. Refer to **Appendix D** for groundwater sampling forms.

3.1 May 2019 Groundwater Sampling Results

The analytical results for the VOC analyses for this sampling event indicate detections of VOC constituents above the *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations provided in the Technical and Operational Guidance Series 1.1.1 (i.e. TOGS 1.1.1) (June 1998)* in three (3) of the monitoring wells sampled. The results are summarized as follow:

- TCE was detected in samples from 3 monitoring wells. The highest TCE concentration was detected in the sample from monitoring well PZ-09 (11 ug/L);
- PCE was detected in samples from 3 monitoring wells. The highest PCE concentration was detected in the sample from monitoring well PZ-09 (32 ug/L); and
- Three additional VOC were detected in the sample from PZ-09 at concentrations above the above water quality standards: 1,2-dichloroethene (5.4 ug/L); chloroform (7.1 ug/L); and cis-1,2-dichloroethene (5.4 ug/L). These compounds were not detected in any other wells at concentrations above the standard.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete. As previously reported to NYSDEC, AECOM currently does not believe that the PCE is from the site (Bays).

3.2 August 2019 Groundwater Sampling Results

The analytical results for the VOC analyses for this sampling event indicate detections of VOC constituents above the *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations provided in the Technical and Operational Guidance Series 1.1.1 (i.e. TOGS 1.1.1) (June 1998)* in four (4) of the monitoring wells sampled. The results are summarized as follow:

- TCE was detected in samples from 4 monitoring wells (MW-201S, MW-203, PZ-09, and PZ-10). The highest TCE concentration was detected in the sample from monitoring well PZ-10 (9.8 ug/L);
- PCE was detected in samples from 4 monitoring wells (MW-201S, MW-203, PZ-09, and PZ-10). The highest PCE concentration was detected in the sample from monitoring well MW-201S (23 ug/L); and
- One additional VOC were detected in the sample from PZ-09 at concentrations above the above water quality standards: chloroform (12.0 ug/L). This compound was not detected in any other wells at concentrations above the standard.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete.

3.3 November 2019 Groundwater Sampling Results

The analytical results for the VOC analyses for this sampling event indicate detections of VOC constituents above the *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations provided in the Technical and Operational Guidance Series 1.1.1 (i.e. TOGS 1.1.1) (June 1998)* in four (4) of the monitoring wells sampled. The results are summarized as follow:

- TCE was detected in samples from 4 monitoring wells (MW-201S, MW-203, PZ-09, and PZ-10). The highest TCE concentration was detected in the sample from monitoring well MW-201S (40.0 ug/L);

- PCE was detected in samples from 4 monitoring wells (MW-201S, MW-203, PZ-09, and PZ-10). The highest PCE concentration was detected in the sample from monitoring well MW-201S (34.0 ug/L); and
- Three additional VOCs were detected in the sample from PZ-09 at concentrations above the above water quality standards: chloroform (11.0 ug/L); and cis-1,2-dichloroethene / 1,2-dichloroethene (7.2 ug/L). These compounds were not detected in any other wells at concentrations above the standard.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete.

4.0 Offsite Soil Gas Sampling

This section summarizes the analytical results of the offsite soil gas sampling per the NYSDEC approved November 2018 and October 2019 workplans to further assess the off-site vapor intrusion (VI) conditions of no remedial system operations as well as the first round of sampling conducted during the system rebound period. The events completed in May and August 2019 consisted of the third and fourth quarter samples as prescribed in the November 2018 workplan and the event completed in November 2019 was the first sampling event of the post-shutdown rebound period as outlined in the October 2019 workplan. The remaining three sampling events are scheduled to be conducted in February, May, and August 2020. For the May and August 2019 events, both the SSD and SVE systems were shut-down between 30 and 45 days prior to the sampling activity. By the time the November 2019 samples were obtained, the SVE and SSD system had not been operational since August 2019.

The following soil gas sampling points were sampled for this event: LOC-22, LOC-24, LOC-25, LOC-26, LOC-27, LOC-27B, and LOC-28. These points are located outside/offsite of the Bays around the perimeter of the site, specifically on 99th and 100th Streets. See attached **Figure 2**.

The soil gas samples were collected using six-liter SUMMA canisters for a two-hour sampling period. Prior to sampling, approximately five liters of air was purged from each sampling point 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: vinyl chloride, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, TCE, and PCE).

The laboratory results of the May, August and November 2019 offsite soil gas sampling events are summarized in the attached **Table 4**. **Table 4** includes data from 2017 and 2019. The Alpha laboratory analytical reports are provided in **Appendix E**. Refer to **Appendix D** for offsite soil gas sampling forms.

4.1 May 2019 Soil Gas Sampling Results

The analytical results for the five VOC constituents for this sampling event indicate detections of VOC constituents above laboratory detection limits at all the soil gas locations sampled. The results are summarized below. Note that during the May sampling event, the sample at LOC-27 was inaccessible due to a parked car in the area and could not be sampled. The location was revisited on June 8, 2019 and a sample was able to be collected then.

- No-detections above the laboratory reportable limits for vinyl chloride;
- Trans-1,2-dichloroethene was detected only in sample LOC-27 at 4.04 micrograms per cubic meter (ug/m^3); east of Bays 10 and 11;
- Cis-1,2-dichloroethene was detected in four of the seven sample locations. The highest level of cis-1,2-dichloroethene ($263 \text{ ug}/\text{m}^3$) was detected in LOC-27;
- TCE was detected in all seven sample locations. The highest level of TCE ($1,320 \text{ ug}/\text{m}^3$) was detected in LOC-27, east of Bay 11; and
- PCE was also detected in all seven sample locations. The highest level of PCE ($95.6 \text{ ug}/\text{m}^3$) was detected in LOC-25, east of Bay 8.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete. As previously reported to NYSDEC, AECOM currently does not believe that the PCE is from the site (Bays).

4.2 August 2019 Soil Gas Sampling Results

The analytical results for the five VOC constituents for this sampling event indicate detections of VOC constituents above laboratory detection limits at all the soil gas locations sampled. The results are summarized as follow:

- No-detections above the laboratory reportable limits for vinyl chloride;
- Trans-1,2-dichloroethene was detected in samples LOC-27 at $23.2 \text{ ug}/\text{m}^3$; east of Bays 10 and 11, and LOC-25 at $1.11 \text{ ug}/\text{m}^3$; east of Bay 8A;
- Cis-1,2-dichloroethene was detected in five of the seven sample locations. The highest level of cis-1,2-dichloroethene ($1,470 \text{ ug}/\text{m}^3$) was detected in LOC-27;
- TCE was detected in all seven samples. The highest level of TCE ($10,700 \text{ ug}/\text{m}^3$) was detected in LOC-27, east of Bay 11; and
- PCE was also detected in all seven sample locations. The highest level of PCE ($66.2 \text{ ug}/\text{m}^3$) was detected in LOC-27, east of Bay 11.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete.

4.3 November 2019 Soil Gas Sampling Results

The analytical results for the five VOC constituents for this sampling event indicate detections of VOC constituents above laboratory detection limits at all the soil gas locations sampled. The results are summarized as follow:

- No-detections above the laboratory reportable limits for vinyl chloride;
- Trans-1,2-dichloroethene was detected in samples LOC-27 at $15.1 \text{ ug}/\text{m}^3$; east of Bays 10 and 11;
- Cis-1,2-dichloroethene was detected in four of the seven sample locations. The highest level of cis-1,2-dichloroethene ($428 \text{ ug}/\text{m}^3$) was detected in LOC-27;

- TCE was detected in all seven samples. The highest level of TCE (2,120 ug/m³) was detected in LOC-27, east of Bay 11; and
- PCE was also detected in all seven sample locations. The highest level of PCE (9.22 ug/m³) was detected in LOC-27, east of Bay 11.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete.

5.0 Onsite Ambient Air and Soil Gas Vapor Intrusion Sampling

This section summarizes the analytical results of the ambient air and soil gas samples collected from the site (Bays 8 – 15) as per the October 2019 Workplan. The purpose of the sampling event was to assess Vapor Intrusion (VI) and indoor (ambient air) conditions with after an extended time of system shut off. Soil gas and indoor air sampling by AECOM included four onsite soil gas samples collected from the existing vapor monitoring points of the Bays; and seven indoor (ambient) air samples from the Bays, plus two outside of the Bays (background sample).

5.1 Onsite Soil Gas and Ambient Air VI Sampling

On December 23, 2019, seven indoor and two outdoor (background) ambient air samples were collected from the site; one sample for each Bay (i.e., Bay 8 and Bays 10 through 15) and two background samples collected from outside Bays 8 and 14. In addition, on the same day four soil gas samples were collected from Bay -11, -13, and 15 from existing SVE vapor monitoring points as follows: MP-8S (Bay 11), MP-12S (Bay 13) and MP-15S (Bay 15). Bay 9 could not be sampled during this round (for both indoor air and soil gas) due to access issues (i.e., the bay door was blocked and inaccessible). AECOM will attempt to access Bay 9 during the next scheduled sampling event. Refer to **Figure 3** for the location of each sample location and to **Appendix D** for the onsite ambient air and soil gas sampling forms.

The seven indoor ambient air samples and the two outdoor ambient air sample were collected for a period of up to eight hours with the use of certified clean, 6-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 three soil gas samples from Bays -11, -13, and 15 were collected for a period of up to 30 minutes (grab samples) with the use of certified clean, 6-liter Summa® canisters. Prior to collecting the sample, approximately five liters were purged from the sampling points to remove the stagnant air and ensure that the air from the surrounding soil was being collected. After purging, the soil gas was screened using a PID and then subsequently connected to a Summa® canister for sampling.

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. Similar to the offsite sampling event discussed previously in the above section, all the onsite 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-dichloroethene, TCE, and PCE) as specified in the April 2017 Workplan. Attached **Table 5** provides the list of the VI constituents reported as part of the onsite ambient air VI sampling event. Attached **Table 6** provides the list of the VI constituents reported as part of the onsite

soil gas VI sampling event. Refer to **Appendix E** for the onsite ambient air and soil gas laboratory analytical results.

The indoor and two outdoor (background) ambient air sample results for the December 23, 2019 sampling event indicate the following:

- No-detections above the laboratory reportable limits for vinyl chloride, trans-1,2-dichloroethene and cis-1,2-dichloroethene in any of the eight indoor samples;
- TCE was detected above the laboratory reportable limits only in the sample from Bay 8A at 0.253 ug/m³;
- PCE was detected above the laboratory reportable limits in all indoor sample locations. The highest level of PCE (1.64 ug/m³) was detected in sample from Bay 8A; and
- The outdoor (background) sample results indicate detections of cis-1,2-dichloroethene and TCE in the sample collected outside Bay 14. In addition, PCE was detected in both outdoor samples collected. With the exception of cis-1,2-dichloroethene, the outdoor sample results are similar to the levels detected in the Bay samples.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete. As previously reported to NYSDEC, AECOM currently does not believe that the PCE is from the site (Bays). Refer to **Table 5** for the results of the 2017 - 2019 ambient air sampling analyses, and to **Appendix E** for the ambient air laboratory analytical results.

With regards to the three soil gas samples from Bays -11, -13, and -15, the results indicate the following:

- No-detections above the laboratory reportable limits for vinyl chloride and Trans-1,2-dichloroethene in any of the samples collected;
- Cis-1,2-dichloroethene was detected above the laboratory reportable limits in two sample locations. The highest level of cis-1,2-dichloroethene (2.03 ug/m³) was detected in Bay 11 (sample MP-8S);
- TCE was detected above the laboratory reportable limits in all three sample locations. The highest level of TCE (35.5 ug/m³) was detected in Bay 13 (sample MP-12S); and
- PCE was only detected above the laboratory reportable limits in the sample collected from Bay 9 (sample MP-12S) at 1.47ug/m³.

The data will be further analyzed once the proposed sampling rounds (October 2019 workplan) are complete. As previously reported to NYSDEC, AECOM currently does not believe that the PCE is from the site (Bays).

Refer to **Table 6** for the results of the onsite soil gas analyses, and to **Appendix E** for the onsite soil gas laboratory analytical results.

6.0 NYSDEC Site Visit

On June 12, 2019, representatives from AECOM met with personnel from NYSDEC at the site to perform a site walk and discuss future activities at the site. Following the site walk and subsequent phone conversations with NYSDEC, it was determined that both the SSD and the SVE systems would be shut down for a prolonged rebound period. The systems would remain off for a year with quarterly groundwater and ambient air monitoring. Sampling would occur in November 2019, and February, May, and August 2020 and would include groundwater samples for VOCs, and indoor air samples (collected in Bays) and soil gas (sub-slab) samples from within select bays. This work will be performed to support the extensive site monitoring previously conducted at site during periodic system shutdowns and rebounds. The results of these four quarterly sampling events will be reviewed with the intent of complete system shut off and site closure if favorable results are collected

7.0 Summary and Future Actions

The SSD and the SVE systems will continue to remain off for a prolong period of time. Groundwater, soil gas (both onsite and offsite) and onsite ambient air monitoring will continue for three more quarters during 2020. The next sampling event is scheduled for February 2020.

In addition, historical (post-remediation system operation) and current data will be submitted to the NYSDEC electronic data base website.

Tables

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

	LOCATION	SVE Influent																
	SAMPLE NAME	SVE INFLUENT_0 42916	SVE INFLUENT_0 50616	SVE INFLU_110216	SVE-EFFLUENT_1 11416 ⁷	SVE-INFLU_012417	SVE-INFLU_041117	SVE-INFLUENT_0 62217	SVE-INFLUENT_0 62817	SVE-INFLUENT_1 01217	SVE-INFLUENT_0 11218	SVE-INFLUENT_0 11818	SVE INFLUENT_0 42018	SVE INFLUENT_0 42618	SVE INFLUENT_0 82318	SVE INFLUENT_1 22018	SVE INFLUENT_0 21419	SVE INFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/15/2017	6/22/2017	6/28/2017	10/12/2017	1/12/2018	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	7/13/2019
				After system start-up - same day	After system start-up - 12 days later			After system start-up - same day	After system start-up - 6 days later	After system start-up - same day	After system start up - same day	After system start up - 6 days later	After system start up - 6 days later					
	LAB SAMPLE ID	SC20863-01	L1614057-01	SC27978-03	L1637012-03	L1702565-02	L1711688-02	L1721409-03	L1722128-01	L1736952-01	L1802191-01	L1802191-04	L1814277-01	L1815307	L1833818-01	L1852996-02	L1906089-02	L1931370-02
ANALYTE	PID READING(ppm)	ND	8.6	3.0	1.4	1.4	0.4	NA	1.1	0.1	1.4	3.1	2.1	2.0	2.0	2.0	2.0	NM
VOCs TO-15	Units																	
Acetone*	ug/m ³	3,683.23	<47.3	4,895.13	<23.8	<23.8	<11.9	<23.8	<23.8	<47.3	NS	NS	NS	<23.8	<23.8	49.90	NS	<12.6
Ethanol	ug/m ³	<65.61	<188	976.68	<94.2	<94.2	<47.1	<94.2	<94.2	<188	NS	NS	NS	<94.2	<94.2	NS	NS	<49.7
Isopropyl Alcohol	ug/m ³	<85.40	<24.5	<142.33	<12.3	<12.3	<6.15	<12.3	<12.3	<24.5	NS	NS	NS	<12.3	<12.3	<18.3	NS	<6.49
Tertiary butyl Alcohol	ug/m ³	--	<30.2	--	<15.2	<15.2	<7.58	<15.2	<15.2	<30.2	NS	NS	NS	<15.2	<15.2	<22.6	NS	<8.00
2-Butanone (MEK)	ug/m ³	<102.62	<29.4	365.66	<14.7	<14.7	<7.37	<14.7	<14.7	<29.9	NS	NS	NS	<14.7	<14.7	<7.46	NS	<7.79
Methylene Chloride	ug/m ³	<120.84	<34.6	<201.40	<8.69	12.60	<8.69	<17.4	<17.4	<34.6	NS	NS	NS	<17.4	<17.4	<25.9	NS	<9.17
Carbon Disulfide*	ug/m ³	<108.31	<12.4	<180.52	<6.23	<6.23	<3.11	<6.23	<6.23	<12.4	NS	NS	NS	<6.23	<6.23	<9.28	NS	<3.30
trans-1,2-Dichloroethene	ug/m ³	<137.9	<15.8	<229.98	<7.93	<3.96	<3.96	<7.93	<7.93	<15.8	<3.96	<3.96	<2.64	<7.93	<7.93	<11.8	<7.93	<4.20
Dichlorodifluoromethane	ug/m ³	<172.08	<19.7	<286.80	<9.86	<9.86	<4.94	<9.89	<9.89	<19.7	NS	NS	NS	<9.89	<9.89	<14.7	NS	<5.24
Chloromethane	ug/m ³	<71.88	<8.24	<119.80	<4.13	<4.13	<2.07	<4.13	<4.13	<8.22	NS	NS	NS	<4.13	<4.13	<6.15	NS	<2.19
Trichlorofluoromethane	ug/m ³	<195.58	<22.4	<325.94	<11.2	<11.2	<5.62	<11.2	<11.2	<22.4	NS	NS	NS	<11.2	<11.2	<16.7	NS	<5.96
cis-1,2-Dichloroethene	ug/m ³	408.42	630.00	404.45	420.00	190.00	149.00	144.00	209.00	312.00	80.50	124.00	92.00	186.00	223.00	338.00	329.00	163
n-Hexane	ug/m ³	--	<14.1	--	<7.05	<7.05	<3.52	<7.05	<7.05	<14.0	NS	NS	NS	<7.05	<7.05	<10.5	NS	<3.74
1,1,1-Trichloroethane	ug/m ³	<189.87	<21.8	1,374.92	<10.9	<10.9	<5.46	<10.9	<10.9	<21.7	NS	NS	NS	<10.9	<10.9	<16.3	NS	<5.78
Chloroform	ug/m ³	<169.37	<19.5	<282.29	--	16.90	6.06	<9.77	<9.77	<19.4	NS	NS	NS	<9.77	<9.77	20.50	NS	11.9
Tetrahydrofuran	ug/m ³	<102.62	<29.4	<171.03	<14.7	<14.7	<7.37	<14.7	<14.7	<29.4	NS	NS	NS	<14.7	<14.7	<22.00	NS	<7.79
Benzene	ug/m ³	<1,112.02	<12.7	<185.03	<6.39	<6.39	<3.19	<6.39	<6.39	<12.7	NS	NS	NS	<6.39	<6.39	<9.52	NS	<3.39
Trichloroethene	ug/m ³	21,281.96	10,000.00	9,888.60	4,990.00	1,680.00	1,980.00	2,730.00	2,860.00	6,340.00	1,130.00	1,400.00	1,170.00	2,190.00	3,530.00	4,880.00	3,610.00	1,950
2,2,4-Trimethylpentane	ug/m ³	--	<18.6	--	<9.34	<9.34	<4.67	<9.34	<9.34	<18.6	NS	NS	NS	<9.34	<9.34	<13.9	NS	<4.95
Toluene	ug/m ³	<130.94	<15.0	<218.24	<7.54	<7.54	<3.77	<7.54	<7.54	<15.0	NS	NS	NS	<7.54	<7.54	<11.2	NS	4.03
Tetrachloroethene	ug/m ³	874.77	585.00	435.35	268.00	290.00	319.00	280.00	199.00	273.00	121.00	149.00	160.00	204.00	229.00	226.00	211.00	258
1,4-Dichlorobenzene	ug/m ³	<209.23	<24.0	244.10	<12.0	<12.0	<6.01	<12.0	<12.0	<23.9	NS	NS	NS	<12.0	<12.0	<17.9	NS	<6.37
Naphthalene	ug/m ³	<182.18	--	<303.64	--	--	--	--	--	--	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ug/m ³	<171.08	<29.6	<285.14	<9.83	<9.83	<4.92	<14.8	<9.83	<19.6	NS	NS	NS	<9.83	<9.83	<14.7	NS	<5.21
Total VOCs	ug/m ³	27,912	11,524	20,051	5,821	2,326	2,528	3,309	3,420	24,323	2,465	3,574	1,683	3,116	3,860	5,599	4,125	2,870

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

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

	LOCATION	SSD Influent																
	SAMPLE NAME	SSD INFLUENT_0 42916	SSD INFLUENT_0 50616	SSDINFLU_1 10216	SSD-EFFLUENT_1 11416 ⁸	SSD-INFLU_012417	SSD-INFLU_041117	SSD-INFLUENT_0 62217	SSD-INFLUENT_0 62817	SSD INFLUENT_1 01217	SSD INFLUENT_0 11218	SSD INFLUENT_0 11818	SSD INFLUENT_0 42018	SSD INFLUENT_0 42618	SSD INFLUENT_0 82318	SSD INFLUENT_1 22018	SSD INFLUENT_0 21419	SSD INFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/11/2017	6/22/2017	6/28/2017	10/12/2017	1/12/2018	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	7/13/2019
				After system start-up - same day	After system start-up - 12 days later			After system start-up - same day	After system start-up - 6 days later	After system start-up - same day	After system start-up - same day	After system start-up - 6 days later	After system start-up - same day	After system start-up - 6 days later				
	LAB SAMPLE ID	SC20863-02	L1614057-02	SC27978-01	L1637012-02	L1702565-01	L1711688-01	L1721409-02	L1722128-01	L1736952-02	L1802191-02	L1802191-05	L1814277-02	L1815307-02	L1833818-02	L1852996-02	L1906089-01	L1931379-01
ANALYTE	PID READING(ppm)	ND	ND	0.8	ND	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NM
VOCs TO-15	Units																	
Acetone*	ug/m ³	8.79	<2.38	13.31	<2.38	<2.38	4.85	18.3	5.2	16.1	NS	NS	NS	10.10	11.20	8.77	NS	15.0
Ethanol	ug/m ³	<1.89	<9.42	<3.77	<9.42	<9.42	<9.42	<9.42	<9.42	<9.42	NS	NS	NS	<9.42	<9.42	NS	NS	<19.8
Isopropyl Alcohol	ug/m ³	<2.45	<1.23	<4.91	1.23	<1.23	<1.23	1.82	1.49	<1.23	NS	NS	NS	1.40	<1.23	<1.23	NS	<2.58
Tertiary butyl Alcohol	ug/m ³	--	<1.52	--	4.34	<1.52	<1.52	<1.52	<1.52	<1.52	NS	NS	NS	4.27	<1.52	<1.52	NS	<3.18
2-Butanone (MEK)	ug/m ³	<2.95	<1.47	<5.90	<1.47	<1.47	<1.47	3.33	<1.47	1.48	NS	NS	NS	2.35	<1.47	<1.47	NS	<3.10
Methylene Chloride	ug/m ³	<3.47	<1.74	<6.94	<1.74	<1.74	<1.74	13.7	<1.74	2.24	NS	NS	NS	1.74	<1.74	<1.74	NS	<3.65
Carbon Disulfide*	ug/m ³	<3.11	<0.623	<6.22	<0.623	<0.623	<0.623	<0.623	<0.623	0.825	NS	NS	NS	<0.623	<0.623	<0.62	NS	<1.31
trans-1,2-Dichloroethene	ug/m ³	<3.97	<0.793	<7.93	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.793	<0.79	<0.793	<1.67
Dichlorodifluoromethane	ug/m ³	<4.94	2.03	<9.89	2.14	2.05	1.58	2.37	2.32	2.26	NS	NS	NS	2.27	2.13	2.65	NS	2.66
Chloromethane	ug/m ³	<2.07	0.81	<4.13	0.69	0.74	0.62	0.85	0.68	0.91	NS	NS	NS	0.748	0.642	0.607	NS	0.876
Trichlorofluoromethane	ug/m ³	<5.62	1.14	<11.24	1.31	1.40	1.34	1.58	1.25	<1.12	NS	NS	NS	<1.12	<1.12	1.54	NS	<2.37
cis-1,2-Dichloroethene	ug/m ³	4.60	5.31	19.75	<0.793	<0.793	1.27	6.38	<0.793	2.27	<0.793	<0.793	<0.793	<0.793	1.30	2.41	1.36	17.0
n-Hexane	ug/m ³	--	<0.705	--	1.08	<0.705	<0.705	<0.705	<0.705	0.779	NS	NS	NS	<0.705	0.77	2.77	NS	<1.49
1,1,1-Trichloroethane	ug/m ³	<5.46	<1.09	<10.91	<1.09	<1.09	<1.09	<1.09	<1.09	<1.09	NS	NS	NS	<1.09	<1.09	<1.09	NS	<2.30
Chloroform	ug/m ³	<4.87	<9.77	<9.73	<0.977	<0.977	<0.977	<0.977	<0.977	<0.977	NS	NS	NS	<0.977	<0.977	<0.977	NS	<2.06
Tetrahydrofuran	ug/m ³	5.60	<1.47	<5.90	<1.47	<1.47	<1.47	2.95	<1.47	<1.47	NS	NS	NS	<1.47	<1.47	<1.47	NS	<3.10
Benzene	ug/m ³	<3.19	1.16	<6.38	1.97	1.16	0.901	<0.639	<0.639	10.9	NS	NS	NS	<0.639	1.00	5.62	NS	10.8
Trichloroethene	ug/m ³	325.68	98.30	558.2	6.34	13.2	18.9	97.8	6.99	45.2	4.37	3.18	8.81	3.74	39.80	34.20	27.40	33.2
2,2,4-Trimethylpentane	ug/m ³	--	<0.934	--	0.99	<0.934	1.11	<0.934	<0.934	1.34	NS	NS	NS	<0.934	1.05	3.96	NS	<1.97
Toluene	ug/m ³	<3.76	1.48	<7.53	2.14	6.18	3.24	2.23	1.11	2.03	NS	NS	NS	1.45	4.71	13.00	NS	3.08
Tetrachloroethene	ug/m ³	33.36	17.20	42.86	<1.36	7.19	3.98	4.17	2.02	31.3	<1.36	2.42	6.10	1.43	9.49	7.66	2.92	<2.86
1,4-Dichlorobenzene	ug/m ³	<6.01	<1.20	11.18	<1.20	<1.20	<1.20	<1.20	<1.20	<1.20	NS	NS	NS	<1.20	<1.20	<1.20	NS	<2.54
Naphthalene	ug/m ³	<5.24	--	15.97	--	--	--	--	--	--	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ug/m ³	<4.92	1.27	<9.83	<0.983	<0.983	<0.983	<1.48	<0.983	<0.983	NS	NS	NS	<0.983	<0.983	1.93	NS	<2.07
Total VOCs	ug/m ³	442	146	717	34	46	49	165	33	128	6	6	16	40	84	91	32	111

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

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

	LOCATION	Total Effluent																	
		TOTAL EFFLUENT_0 42916	TOTAL EFFLUENT_0 50616	TOTALEFFLU_1 10216	Effluent-111416	TOTAL- EFFLU_0124 17	TOTAL_EFFLU_0 41117	EFFLUENT_0 62217	EFFLUENT_0 62817	EFFLUENT_1 01217	EFFLUENT_0 11218	EFFLUENT_0 11818	TOTAL EFFLUENT_0 42018	TOTAL EFFLUENT_0 42618	TOTAL EFFLUENT_0 82318	TOTAL EFFLUENT_1 22018	TOTAL EFFLUENT_0 21419	COMBINED EFFLUENT	TOTAL EFFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/11/2017	6/22/2017	6/28/2017	10/12/2017	1/12/2018	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	6/11/2019	7/13/2019
				After system start-up - same day	After system start-up - 12 days later			After system start-up - same day	After system start-up - 6 days later	After system start-up - same day	After system start-up - Same day	After system start-up - 6 days later	After system start-up - Same day	After system start-up - 6 days later					
	LAB SAMPLE ID	SC20863-03	L1614057-03	SC27978-02	L1637012-01	L1702565-03	L1711688-03	L1721409-01	L1722128-03	L1736952-03	L1802191-03	L1802191-06	L1814277-03	L1815307-03	L1833818-03	L1852996-03	L1906089-03	L1925085-02	L1931370-03
ANALYTE	PID READING(ppm)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NM
VOCs TO-15	Units																		
Acetone*	ug/m ³	38.97	<2.38	11.50	<2.38	<2.38	<4.75	2.40	<4.75	<2.38	NS	NS	NS	2.99	<23.8	2.4	NS	<2.38	8.65
Ethanol	ug/m ³	6.94	<9.42	24.51	<9.42	<9.42	<18.8	<9.42	<18.8	<9.42	NS	NS	NS	<9.42	<94.2	NS	NS	129	<23.7
Isopropyl Alcohol	ug/m ³	2.01	<1.23	2.04	<1.23	<1.23	<2.46	1.29	<2.46	<1.23	NS	NS	NS	<1.23	<12.3	<1.23	NS	3.56	<3.10
Tertiary butyl Alcohol	ug/m ³	--	<1.52	--	<1.52	<1.52	<3.03	<1.52	<3.03	<1.52	NS	NS	NS	5.85	<15.2	<1.52	NS	<1.52	<3.82
2-Butanone (MEK)	ug/m ³	3.36	<1.47	11.35	<1.47	<1.47	<2.95	<1.47	<2.95	<1.47	NS	NS	NS	<1.47	<14.7	<1.47	NS	2.19	<3.72
Methylene Chloride	ug/m ³	<1.74	<1.74	<1.74	<1.74	1.77	<3.47	3.27	<3.47	<1.74	NS	NS	NS	<1.74	<17.4	<1.74	NS	12.30	<4.38
Carbon Disulfide*	ug/m ³	<1.56	<0.623	<1.56	<0.623	<0.623	<1.25	<0.623	<1.25	<0.623	NS	NS	NS	<0.623	<6.23	<0.623	NS	<0.623	<1.57
trans-1,2-Dichloroethene	ug/m ³	<1.98	<0.793	<1.98	<0.793	<0.793	7.89	2.84	4.60	1.55	<0.793	0.829	<0.793	1.59	<7.93	<0.793	<0.793	<0.793	<1.99
Dichlorodifluoromethane	ug/m ³	<2.47	1.43	<2.47	1.77	1.55	<1.98	1.69	2.06	1.34	NS	NS	NS	2.09	<9.89	<0.989	NS	<0.989	2.90
Chloromethane	ug/m ³	<1.03	<0.413	<1.03	0.46	<0.413	<0.826	<0.413	<0.826	<0.413	NS	NS	NS	<0.413	<4.13	<0.413	NS	0.605	<1.04
Trichlorofluoromethane	ug/m ³	<2.81	<1.12	<2.81	1.25	<1.12	<2.25	<1.12	<2.25	<1.12	NS	NS	NS	1.37	<11.2	<1.12	NS	<1.12	<2.83
cis-1,2-Dichloroethene	ug/m ³	<1.98	0.92	<1.98	<0.793	<0.793	551	268	488	173	66.6	95.9	1.79	231	163	<0.793	<0.793	<0.793	5.35
n-Hexane	ug/m ³	--	<0.705	--	<0.705	<0.705	<1.41	<0.705	<1.41	<0.705	NS	NS	NS	<0.705	<7.05	<0.705	NS	33.7	<1.77
1,1,1-Trichloroethane	ug/m ³	<2.73	<1.09	<2.73	<1.09	<1.09	<2.18	<1.09	<2.18	<1.09	NS	NS	NS	10.6	<10.9	<1.09	NS	<1.09	<2.74
Chloroform	ug/m ³	<2.43	<0.977	<2.43	<0.977	1.35	2.33	3.48	7.52	6.20	NS	NS	NS	6.98	<9.77	<0.977	NS	<0.977	<2.46
Tetrahydrofuran	ug/m ³	<1.47	<1.47	6.40	<1.47	<1.47	2.98	<1.47	<2.95	<1.47	NS	NS	NS	<1.47	<14.7	<1.47	NS	<1.47	5.49
Benzene	ug/m ³	<1.60	<0.639	<1.60	<0.639	<0.639	<1.28	<0.639	<1.28	<0.639	NS	NS	NS	<0.639	<6.39	<0.639	NS	8.66	<1.61
Trichloroethene	ug/m ³	18.54	25.20	<2.69	<1.07	<1.07	<2.15	<1.07	<2.15	1.97	8.71	12.6	1.96	376	3120	<1.07	1.26	<1.07	<2.70
2,2,4-Trimethylpentane	ug/m ³	--	<0.934	--	<0.934	<0.934	<1.87	<0.934	<1.87	<0.934	NS	NS	NS	<0.934	<9.34	<0.934	NS	39.3	<2.35
Toluene	ug/m ³	<1.88	<0.754	<1.88	<0.754	<0.754	<1.51	<0.754	<1.51	<0.754	NS	NS	NS	<0.754	<7.54	1.17	NS	70.1	<1.90
Tetrachloroethene	ug/m ³	<3.39	5.14	<3.39	<1.36	<1.36	<2.71	<1.36	<2.71	<1.36	<1.36	<1.36	1.53	<1.36	<13.6	<1.36	<1.36	25.4	<3.41
1,4-Dichlorobenzene	ug/m ³	<3.01	<1.20	<3.01	<1.20	<1.20	<2.40	<1.20	<2.40	<1.20	NS	NS	NS	<1.20	<12.0	<1.20	NS	<1.20	<3.02
Naphthalene	ug/m ³	<2.62	--	5.81	--	--	--	--	--	--	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	ug/m ³	<2.46	<0.983	6.88	<0.983	<0.983	<1.97	<1.48	<1.97	<0.983	NS	NS	NS	<0.983	<14.8	1.09	NS	11.4	<2.47
Total VOCs	ug/m ³	87	62	84	19	20	594	296	532	199	76	110	6	650	3,445	15	3	343	58

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

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

	LOCATION	SVE Influent																
	SAMPLE NAME	SVE INFLUENT_ 042916	SVE INFLUENT_ 050616	SVEINFLU_ 110216	SVE- EFFLUENT_ 111416 ⁷	SVE-INFLU_ 012417	SVE-INFLU_ 041117	SVE- INFLUENT_ 062217	SVE- INFLUENT_ 062817	SVE- INFLUENT_ 101217	SVE- INFLUENT_ 011218	SVE- INFLUENT_ 011818	SVE INFLUENT_ 042018	SVE INFLUENT_ 042618	SVE INFLUENT_ 082318	SVE INFLUENT_ 122018	SVE INFLUENT_ 021419	SVE INFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/11/2017	6/22/2017	6/28/2017	10/12/2017	1/12/2018	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	7/13/2019
	LAB SAMPLE ID	SC20863-01	L1614057-01	SC27978-03	L1637012-03	L1702565-02	L1711688-02	L1721409-03	L1722128-01	L1736952-01	L1802191-01	L1802191-04	L1814277-01	L1815307	L1833818-01	L1852996-02	L1906089-02	L1931370-02
ANALYTE	Flow Rate (CFM)	664	593	613	589	570	563	535	585	535	549	574	357	357	282	283	283	331
VOCs TO-15	Units																	
Acetone	lbs/hr	0.009161	0.000053	0.011240	0.000026	0.000025	0.000013	0.000024	0.000026	0.000047	0.000000	0.000000	0.000000	0.000016	0.000013	0.000053	0.000000	0.000008
Ethanol	lbs/hr	0.000082	0.000209	0.002243	0.000104	0.000101	0.000050	0.000094	0.000103	0.000188	0.000000	0.000000	0.000000	0.000063	0.000050	0.000000	0.000000	0.000031
Isopropyl Alcohol	lbs/hr	0.000106	0.000027	0.000163	0.000014	0.000013	0.000006	0.000012	0.000013	0.000025	0.000000	0.000000	0.000000	0.000008	0.000006	0.000010	0.000000	0.000004
Tertiary butyl Alcohol	lbs/hr	0.000000	0.000034	0.000000	0.000017	0.000016	0.000008	0.000015	0.000017	0.000030	0.000000	0.000000	0.000000	0.000010	0.000008	0.000012	0.000000	0.000005
2-Butanone (MEK)	lbs/hr	0.000128	0.000033	0.000840	0.000016	0.000016	0.000008	0.000015	0.000016	0.000030	0.000000	0.000000	0.000000	0.000010	0.000008	0.000004	0.000000	0.000005
Methylene Chloride	lbs/hr	0.000150	0.000038	0.000231	0.000010	0.000027	0.000009	0.000017	0.000019	0.000035	0.000000	0.000000	0.000000	0.000012	0.000009	0.000014	0.000000	0.000006
Carbon Disulfide	lbs/hr	0.000135	0.000014	0.000207	0.000007	0.000007	0.000003	0.000006	0.000007	0.000012	0.000000	0.000000	0.000000	0.000004	0.000003	0.000005	0.000000	0.000002
trans-1,2-Dichlroethene	lbs/hr	0.000171	0.000018	0.000264	0.000009	0.000004	0.000004	0.000008	0.000009	0.000016	0.000004	0.000004	0.000002	0.000005	0.000004	0.000006	0.000004	0.000003
Dichlorodifluoromethane	lbs/hr	0.000214	0.000022	0.000329	0.000011	0.000011	0.000005	0.000010	0.000011	0.000020	0.000000	0.000000	0.000000	0.000007	0.000005	0.000008	0.000000	0.000003
Chloromethane	lbs/hr	0.000089	0.000009	0.000138	0.000005	0.000004	0.000002	0.000004	0.000005	0.000008	0.000000	0.000000	0.000000	0.000003	0.000002	0.000003	0.000000	0.000001
Trichlorofluoromethane	lbs/hr	0.000243	0.000025	0.000374	0.000012	0.000012	0.000006	0.000011	0.000012	0.000022	0.000000	0.000000	0.000000	0.000007	0.000006	0.000009	0.000000	0.000004
cis-1,2-Dichloroethene	lbs/hr	0.001016	0.001399	0.000929	0.000927	0.000406	0.000314	0.000289	0.000458	0.000625	0.000166	0.000267	0.000123	0.000249	0.000236	0.000358	0.000349	0.000202
n-Hexane	lbs/hr	0.000000	0.000016	0.000000	0.000008	0.000008	0.000004	0.000007	0.000008	0.000014	0.000000	0.000000	0.000000	0.000005	0.000004	0.000006	0.000000	0.000002
1,1,1-Trichloroethane	lbs/hr	0.000236	0.000024	0.003157	0.000012	0.000012	0.000006	0.000011	0.000012	0.000022	0.000000	0.000000	0.000000	0.000007	0.000006	0.000009	0.000000	0.000004
Chloroform	lbs/hr	0.000211	0.000022	0.000324	0.000000	0.000036	0.000013	0.000010	0.000011	0.000019	0.000000	0.000000	0.000000	0.000007	0.000005	0.000022	0.000000	0.000015
Tetrahydrofuran	lbs/hr	0.000128	0.000033	0.000196	0.000016	0.000016	0.000008	0.000015	0.000016	0.000029	0.000000	0.000000	0.000000	0.000010	0.000008	0.000012	0.000000	0.000005
Benzene	lbs/hr	0.001383	0.000014	0.000212	0.000007	0.000007	0.000003	0.000006	0.000007	0.000013	0.000000	0.000000	0.000000	0.000004	0.000003	0.000005	0.000000	0.000002
Trichloroethene	lbs/hr	0.052931	0.022212	0.022705	0.011009	0.003587	0.004175	0.005471	0.006267	0.012705	0.002324	0.003010	0.001565	0.002928	0.003729	0.005173	0.003827	0.002418
2,2,4-Trimethylpentane	lbs/hr	0.000000	0.000021	0.000000	0.000010	0.000010	0.000005	0.000009	0.000010	0.000019	0.000000	0.000000	0.000000	0.000006	0.000005	0.000007	0.000000	0.000003
Toluene	lbs/hr	0.000163	0.000017	0.000251	0.000008	0.000008	0.000004	0.000008	0.000008	0.000015	0.000000	0.000000	0.000000	0.000005	0.000004	0.000006	0.000000	0.000005
Tetrachloroethene	lbs/hr	0.002176	0.001299	0.001000	0.000591	0.000619	0.000673	0.000561	0.000436	0.000547	0.000249	0.000320	0.000214	0.000273	0.000242	0.000240	0.000224	0.000320
1,4-Dichlorobenzene	lbs/hr	0.000260	0.000027	0.000560	0.000013	0.000013	0.000006	0.000012	0.000013	0.000024	0.000000	0.000000	0.000000	0.000008	0.000006	0.000009	0.000000	0.000004
Naphthalene	lbs/hr	0.000227	0.000000	0.000349	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1,2,4-Trimethylbenzene	lbs/hr	0.000213	0.000033	0.000327	0.000011	0.000010	0.000005	0.000015	0.000011	0.000020	0.000000	0.000000	0.000000	0.000007	0.000005	0.000008	0.000000	0.000003
Total Mass Removal Rate	lbs/hr	0.06942	0.02560	0.04604	0.01284	0.00497	0.00533	0.00663	0.00749	0.01449	0.00274	0.00360	0.00190	0.00365	0.00437	0.00598	0.00440	0.00305

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

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

	LOCATION	SSD Influent																
	SAMPLE NAME	SSD INFLUENT_ 042916	SSD INFLUENT_ 050616	SSDINFLU_ 110216	SSD- EFFLUENT_ 111416 ⁸	SSD-INFLU_ 012417	SSD-INFLU_ 041117	SSD- INFLUENT_ 062217	SSD- INFLUENT_ 062817	SSD INFLUENT_ 101217	SSD INFLUENT_ 011218	SSD INFLUENT_ 011818	SSD INFLUENT_ 042018	SSD INFLUENT_ 042618	SSD INFLUENT_ 082318	SSD INFLUENT_ 122018	SSD INFLUENT_ 021419	SSD INFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/11/2017	6/22/2017	6/28/2017	10/12/2017	1/12/2018	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	7/13/2019
	LAB SAMPLE ID	SC20863-02	L1614057-02	SC27978-01	L1637012-02	L1702565-01	L1711688-01	L1721409-02	L1722128-01	L1736952-02	L1802191-02	L1802191-05	L1814277-02	L1815307-02	L1833818-02	L1852996-02	L1906089-01	L1931379-01
ANALYTE	Flow Rate (CFM)	159	297	269	302	313	302	285	284	282	293	310	305	305	471	472	472	280
VOCs TO-15	Units																	
Acetone	lbs/hr	0.000005	0.000001	0.000013	0.000001	0.000001	0.000005	0.000020	0.000006	0.000017	0.000000	0.000000	0.000000	0.000012	0.000020	0.000016	0.000000	0.000016
Ethanol	lbs/hr	0.000001	0.000005	0.000002	0.000005	0.000006	0.000005	0.000005	0.000005	0.000005	0.000000	0.000000	0.000000	0.000005	0.000008	0.000000	0.000000	0.000010
Isopropyl Alcohol	lbs/hr	0.000001	0.000001	0.000002	0.000001	0.000001	0.000001	0.000002	0.000002	0.000001	0.000000	0.000000	0.000000	0.000002	0.000001	0.000001	0.000000	0.000001
Tertiary butyl Alcohol	lbs/hr	0.000000	0.000001	0.000000	0.000005	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000005	0.000001	0.000001	0.000000	0.000002
2-Butanone (MEK)	lbs/hr	0.000002	0.000001	0.000003	0.000001	0.000001	0.000001	0.000004	0.000001	0.000002	0.000000	0.000000	0.000000	0.000003	0.000001	0.000001	0.000000	0.000002
Methylene Chloride	lbs/hr	0.000002	0.000001	0.000003	0.000001	0.000001	0.000001	0.000015	0.000001	0.000002	0.000000	0.000000	0.000000	0.000002	0.000002	0.000002	0.000000	0.000002
Carbon Disulfide	lbs/hr	0.000002	0.000000	0.000003	0.000000	0.000000	0.000000	0.000000	0.000000	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001	0.000001	0.000000	0.000001
trans-1,2-Dichloroethene	lbs/hr	0.000002	0.000000	0.000004	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000001
Dichlorodifluoromethane	lbs/hr	0.000003	0.000002	0.000005	0.000002	0.000002	0.000002	0.000003	0.000002	0.000002	0.000000	0.000000	0.000000	0.000003	0.000004	0.000005	0.000000	0.000003
Chloromethane	lbs/hr	0.000001	0.000001	0.000002	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000000	0.000001
Trichlorofluoromethane	lbs/hr	0.000003	0.000001	0.000006	0.000001	0.000002	0.000002	0.000002	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000003	0.000000	0.000001
cis-1,2-Dichloroethene	lbs/hr	0.000003	0.000006	0.000020	0.000000	0.000000	0.000001	0.000007	0.000000	0.000002	0.000000	0.000000	0.000000	0.000000	0.000002	0.000004	0.000002	0.000018
n-Hexane	lbs/hr	0.000000	0.000000	0.000000	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001	0.000000	0.000000	0.000000	0.000000	0.000001	0.000005	0.000000	0.000001
1,1,1-Trichloroethane	lbs/hr	0.000003	0.000001	0.000005	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000000	0.000001
Chloroform	lbs/hr	0.000003	0.000005	0.000005	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000000	0.000001
Tetrahydrofuran	lbs/hr	0.000003	0.000001	0.000003	0.000001	0.000001	0.000001	0.000003	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000000	0.000002
Benzene	lbs/hr	0.000002	0.000001	0.000003	0.000002	0.000001	0.000001	0.000000	0.000000	0.000012	0.000000	0.000000	0.000000	0.000000	0.000002	0.000010	0.000000	0.000011
Trichloroethene	lbs/hr	0.000194	0.000109	0.000562	0.000007	0.000015	0.000021	0.000104	0.000007	0.000048	0.000005	0.000004	0.000010	0.000004	0.000070	0.000060	0.000048	0.000035
2,2,4-Trimethylpentane	lbs/hr	0.000000	0.000001	0.000000	0.000001	0.000001	0.000001	0.000000	0.000000	0.000001	0.000000	0.000000	0.000000	0.000001	0.000002	0.000007	0.000000	0.000001
Toluene	lbs/hr	0.000002	0.000002	0.000004	0.000002	0.000007	0.000004	0.000002	0.000001	0.000002	0.000000	0.000000	0.000000	0.000002	0.000008	0.000023	0.000000	0.000003
Tetrachloroethene	lbs/hr	0.000020	0.000019	0.000043	0.000001	0.000008	0.000005	0.000004	0.000002	0.000033	0.000001	0.000003	0.000007	0.000002	0.000017	0.000014	0.000005	0.000001
1,4-Dichlorobenzene	lbs/hr	0.000004	0.000001	0.000011	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000001	0.000000	0.000001
Naphthalene	lbs/hr	0.000003	0.000000	0.000016	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1,2,4-Trimethylbenzene	lbs/hr	0.000003	0.000001	0.000005	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000001	0.000003	0.000000	0.000001
Total Mass Removal Rate	lbs/hr	0.00026	0.00016	0.00072	0.00004	0.00005	0.00006	0.00018	0.00004	0.00013	0.00001	0.00001	0.00002	0.00005	0.00015	0.00016	0.00006	0.00012

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

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

	LOCATION	Total Effluent																	
	SAMPLE NAME	TOTAL EFFLUENT_ 042916	TOTAL EFFLUENT_ 050616	TOTAL EFFLU_ 110216	Effluent- 111416	TOTAL- EFFLU_ 012417	TOTAL_EFFLU_ 041117	TOTAL_EFFLU_ 062217	TOTAL_EFFLU_ 062817	EFFLUENT_ 101217	TOTAL_EFFLU_ 062818	EFFLUENT_ 011818	TOTAL EFFLUENT_ 042018	TOTAL EFFLUENT_ 042618	TOTAL EFFLUENT_ 082318	TOTAL EFFLUENT_ 122018	TOTAL EFFLUENT_ 021419	COMBINED EFFLUENT	TOTAL EFFLUENT
	SAMPLING DATE	4/29/2016	5/6/2016	11/2/2016	11/14/2016	1/24/2017	4/11/2017	6/22/2017	6/28/2017	10/12/2017	6/29/2017	1/18/2018	4/20/2018	4/26/2018	8/23/2018	12/20/2018	2/14/2019	6/11/2019	7/13/2019
	LAB SAMPLE ID	SC20863-03	L1614057-03	SC27978-02	L1637012-01	L1702565-03	L1711688-03	L1721409-01	L1722128-03	L1736952-03	L1722128-04	L1802191-06	L1814277-03	L1815307-03	L1833818-03	L1852996-03	L1906089-03	I1925085-02	L1931370-03
ANALYTE	Flow Rate (CFM)	914	971	882	891	883	865	820	869	817	842	884	662	662	753	753	753	753	611
VOCs TO-15	Units																		
Acetone	lbs/hr	0.000133	0.000009	0.000038	0.000004	0.000004	0.000008	0.000007	0.000008	0.000004	0.000000	0.000000	0.000000	0.000007	0.000034	0.000007	0.000000	0.000003	0.000020
Ethanol	lbs/hr	0.000024	0.000034	0.000081	0.000016	0.000016	0.000030	0.000014	0.000031	0.000014	0.000000	0.000000	0.000000	0.000012	0.000133	0.000000	0.000000	0.000364	0.000027
Isopropyl Alcohol	lbs/hr	0.000007	0.000004	0.000007	0.000002	0.000002	0.000004	0.000004	0.000004	0.000002	0.000000	0.000000	0.000000	0.000002	0.000017	0.000002	0.000000	0.000010	0.000004
Tertiary butyl Alcohol	lbs/hr	0.000000	0.000006	0.000000	0.000003	0.000003	0.000005	0.000002	0.000005	0.000002	0.000000	0.000000	0.000000	0.000015	0.000021	0.000002	0.000000	0.000002	0.000004
2-Butanone (MEK)	lbs/hr	0.000012	0.000005	0.000037	0.000002	0.000002	0.000005	0.000002	0.000005	0.000002	0.000000	0.000000	0.000000	0.000002	0.000021	0.000002	0.000000	0.000006	0.000004
Methylene Chloride	lbs/hr	0.000003	0.000006	0.000003	0.000003	0.000006	0.000006	0.000010	0.000006	0.000003	0.000000	0.000000	0.000000	0.000002	0.000025	0.000002	0.000000	0.000035	0.000005
Carbon Disulfide	lbs/hr	0.000003	0.000002	0.000003	0.000001	0.000001	0.000002	0.000001	0.000002	0.000001	0.000000	0.000000	0.000000	0.000001	0.000009	0.000001	0.000000	0.000001	0.000002
trans-1,2-Dichloroethene	lbs/hr	0.000003	0.000003	0.000003	0.000001	0.000001	0.000026	0.000009	0.000015	0.000005	0.000001	0.000003	0.000001	0.000004	0.000011	0.000001	0.000001	0.000001	0.000002
Dichlorodifluoromethane	lbs/hr	0.000004	0.000005	0.000004	0.000006	0.000005	0.000003	0.000005	0.000007	0.000004	0.000000	0.000000	0.000000	0.000005	0.000014	0.000001	0.000000	0.000001	0.000007
Chloromethane	lbs/hr	0.000002	0.000002	0.000002	0.000002	0.000001	0.000001	0.000001	0.000001	0.000001	0.000000	0.000000	0.000000	0.000001	0.000006	0.000001	0.000000	0.000002	0.000001
Trichlorofluoromethane	lbs/hr	0.000005	0.000004	0.000005	0.000004	0.000002	0.000004	0.000002	0.000004	0.000002	0.000000	0.000000	0.000000	0.000003	0.000016	0.000002	0.000000	0.000002	0.000003
cis-1,2-Dichloroethene	lbs/hr	0.000003	0.000003	0.000003	0.000001	0.000001	0.001785	0.000823	0.001588	0.000529	0.000210	0.000318	0.000004	0.000573	0.000460	0.000001	0.000001	0.000001	0.000012
n-Hexane	lbs/hr	0.000000	0.000003	0.000000	0.000001	0.000001	0.000002	0.000001	0.000002	0.000001	0.000000	0.000000	0.000000	0.000001	0.000010	0.000001	0.000000	0.000095	0.000002
1,1,1-Trichloroethane	lbs/hr	0.000005	0.000004	0.000005	0.000002	0.000002	0.000004	0.000002	0.000004	0.000002	0.000000	0.000000	0.000000	0.000026	0.000015	0.000002	0.000000	0.000002	0.000003
Chloroform	lbs/hr	0.000004	0.000004	0.000004	0.000002	0.000004	0.000008	0.000011	0.000024	0.000019	0.000000	0.000000	0.000000	0.000017	0.000014	0.000001	0.000000	0.000001	0.000003
Tetrahydrofuran	lbs/hr	0.000003	0.000005	0.000021	0.000002	0.000002	0.000010	0.000002	0.000005	0.000002	0.000000	0.000000	0.000000	0.000002	0.000021	0.000002	0.000000	0.000002	0.000013
Benzene	lbs/hr	0.000003	0.000002	0.000003	0.000001	0.000001	0.000002	0.000001	0.000002	0.000001	0.000000	0.000000	0.000000	0.000001	0.000009	0.000001	0.000000	0.000024	0.000002
Trichloroethene	lbs/hr	0.000063	0.000092	0.000004	0.000002	0.000002	0.000003	0.000002	0.000003	0.000006	0.000027	0.000042	0.000005	0.000932	0.008800	0.000002	0.000004	0.000002	0.000003
2,2,4-Trimethylpentane	lbs/hr	0.000000	0.000003	0.000000	0.000002	0.000002	0.000003	0.000001	0.000003	0.000001	0.000000	0.000000	0.000000	0.000001	0.000013	0.000001	0.000000	0.000111	0.000003
Toluene	lbs/hr	0.000003	0.000003	0.000003	0.000001	0.000001	0.000002	0.000001	0.000002	0.000001	0.000000	0.000000	0.000000	0.000001	0.000011	0.000003	0.000000	0.000198	0.000002
Tetrachloroethene	lbs/hr	0.000006	0.000019	0.000006	0.000002	0.000002	0.000004	0.000002	0.000004	0.000002	0.000002	0.000002	0.000004	0.000002	0.000019	0.000002	0.000002	0.000072	0.000004
1,4-Dichlorobenzene	lbs/hr	0.000005	0.000004	0.000005	0.000002	0.000002	0.000004	0.000002	0.000004	0.000002	0.000000	0.000000	0.000000	0.000001	0.000017	0.000002	0.000000	0.000002	0.000003
Naphthalene	lbs/hr	0.000004	0.000000	0.000019	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1,2,4-Trimethylbenzene	lbs/hr	0.000004	0.000004	0.000023	0.000002	0.000002	0.000003	0.000002	0.000003	0.000002	0.000000	0.000000	0.000000	0.000001	0.000021	0.000003	0.000000	0.000032	0.000003
Total Mass Removal Rate	lbs/hr	0.00030	0.00023	0.00028	0.00006	0.00007	0.00192	0.00091	0.00173	0.00061	0.00024	0.00036	0.00001	0.00161	0.00972	0.00004	0.00001	0.00097	0.00013

Notes:

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

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

3) ug/m3 = micrograms per cubic meter

4) ppm = parts-per-million

5) ND = Not Detected

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

7) SVE-Effluent-111416 was mislabeled in the field and was actually taken from the SVE influent port

8) SSD-Effluent-111416 was mislabeled in the field and was actually taken from the SSD influent sample port

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

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			MW-201D 1/19/2005	MW-201D 4/27/2005	MW-201D 8/9/2006	MW-201D 5/11/2016 MW-201DGWA1 05- 16	MW-201D 8/4/2016 MW-201D GWA2 08- 16	MW-201D 12/3/2016 MW-201D GWA3 12- 16	MW-201D 2/15/2017 MW201D-GWA4-02- 17	MW-201D 5/16/2017 MW-201D GWA5 05- 17	MW-201D 8/10/2017 MW-201D 08-17 L1727963-04	MW-201D 2/6/2019 MW-201D-GWA7- 020619	MW-201D 5/21/2019 MW-201D-GWA8- 052119	MW-201D 5/21/2019 MW-201D-GWB8- 052119	MW-201D 8/20/2019 MW-201D-GWA9- 082019	MW-201D 8/20/2019 MW-201D-GWB9- 082019	MW-201D 11/19/2019 MW-201D-GWA10- 111919	MW-201D 11/19/2019 MW-201D-GWB10- 111919
Sample ID Lab Sample ID			MW201DGWA1 789859	MW201DGWA2 810575	MW201DGWA3 929187	L1614244-06	L1624290-02	L1639436-01	L1704822-01	L1716007-05	L1727963-04	L1906246-03	L1921853-02	L1921853-03	L1938031-04	L1938031-05	L1956826-06	L1956826-07
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	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	1.5 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	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	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	2.5 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	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	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	2.5 U	1.1 J	1.1 J	0.77 J	0.75 J
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	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	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	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	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	6.4	6.2	4.1	4.2	4.2	3.6	3.2	3.0	3.0	3.0
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	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	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	4.3	4.0	4.2	3.3	3.2
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	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1.) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			MW-201S 1/18/2005	MW-201S 4/27/2005	MW-201S 8/9/2006	MW-201S 5/11/2016 MW-201S GWA1 05- 16	MW-201S 8/3/2016 MW-201S GWA2 08- 16	MW-201S 11/22/2016 MW-201S GWA3 11- 16	MW-201S 2/15/2017 MW201S-GWA4-02- 17	MW-201S 2/15/2017 MW201S-GWB4-02- 17	MW-201S 5/16/2017 MW-201S GWA5 05- 17	MW-201S 8/10/2017 DUPLICATE 08-17 L1727963-02	MW-201S 8/10/2017 MW-201S 08-17 L1727963-03	MW-201S 2/6/2019 MW-201S-GWA7- 020619 L1905246-02	MW-201S 8/20/2019 MW-201S-GWA9- 082019 L1938031-03	MW-201S 11/19/2019 MW-201S-GWA10- 111919 L1956826-05
Sample ID Lab Sample ID			MW201SGWA1 789855	MW201SGWA2 810576	MW201SGWA3 929184	L1614244-05	L1624178-04	L1638129-03	L1704822-02	L1704822-03	L1716007-04					
Analyte	Units	Ambient GW Quality Standard														
VOCS DETECTED																
1,1,1-TRICHLOROETHANE	ug/l	5	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	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	3.0 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	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	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4,5-TETRAMETHYLBENZENE	ug/l	5				1.3 J	2.4	3.7	4.9	5.5	2.9	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5				14	16	13	14	15	8.6	9.5	7.9	2.2 J	1.1 J	2.3 J
2-BUTANONE	ug/l	50	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	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	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	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	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	1.7 J	2.5 U	2.5 U	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	4.1	5.3	3.1	14	16	13	14	15	8.6	9.5	7.9	2.2 J	1.1 J	2.3 J
DICHLOROMETHANE	ug/l	5	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	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	5.0 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				5.0 U	0.98 J	1.2 J	1.6 J	1.8 J	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TETRACHLOROETHENE	ug/l	5	1.8	2.3	2.7	39	48	71	71	71	96	99	92	32	23	34
TOLUENE	ug/l	5	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	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	5.0 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	86	110	71	89	82	87	82	84	32	14	11	5.3	5.6	40
CARBON TETRACHLORIDE	ug/l	5	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	0.50 U	0.50 U	0.50 U	0.50 U

Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1.) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			MW-203 1/19/2005	MW-203 8/14/2006	MW-203 5/12/2016	MW-203 8/3/2016	MW-203 8/3/2016	MW-203 3/24/2017	MW-203 5/17/2017	MW-203 2/7/2019	MW-203 5/23/2019	MW-203 8/19/2019	MW-203 11/18/2019
Sample ID Lab Sample ID			MW203GWA1 789860	MW203GWA3 929976	MW-203GWA1 05-16 L1614435-06	MW-203 GWA2 08-16 L1624178-02	MW-203 GWB2 08-16 L1624178-07	MW-203 GWA4 03-17 L1709119-01	MW-203 GWA 05-17 L1716172-04	MW-203-GWA7- 020719 L1905246-11	MW-203-GWA8- 052219 L1921853-10	MW-203-GWA9- 081919 L1938031-02	MW-203-GWA10- 111819 L1956826-02
Analyte	Units	Ambient GW Quality Standard											
VOCS DETECTED													
1,1,1-TRICHLOROETHANE	ug/l	5	1 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	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	1 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	1.5 U
1,1-DICHLOROETHENE	ug/l	5	1 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	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 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	5.0 U
ACETONE	ug/l	50	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	5.0 U
CHLOROFORM	ug/l	7	1.6	1.3	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
CIS-1,2-DICHLOROETHENE	ug/l	5	1 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	2.5 U
DICHLOROMETHANE	ug/l	5	1 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	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	1 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	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	1 U	0.43 J	0.83	2.4	2.6	1.7	1.3	6.6	9.3	7.3	9.0
TOLUENE	ug/l	5	1 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	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	1 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	2.5 U
TRICHLOROETHENE	ug/l	5	10	8.3	8.5	12	13	6.2	5.9	5.1	8.9	7.8	9.4
CARBON TETRACHLORIDE	ug/l	5	1 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	0.50 U

- Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			PZ-01 8/27/1999	PZ-01 8/26/2002 BLIND DUP- 1W_8/26/2002 0823405A	PZ-01 8/26/2002 0823402A	PZ-01 4/3/2003 BD-02_4/3/2003 0405910A	PZ-01 4/3/2003 0405901A	PZ-01 1/19/2005 PZ01GWA1 789858	PZ-01 4/28/2005 PZ01GWA2 810584	PZ-01 8/9/2006 PZ01GWA3 929185	PZ-01 5/11/2016 PZ-01GWA1 05-16 L1614244-01	PZ-01 8/4/2016 PZ-01 GWA2 08-16 L1624290-01	PZ-01 11/21/2016 PZ-01 GWA3 11-16 L1637979-01	PZ-01 2/16/2017 PZ-01-GWA4-02-17 L1704992-02	PZ-01 5/17/2017 PZ-01 GWA 05-17 L1716172-02	PZ-01 8/9/2017 PZ-01 08-17 L1727753-02	PZ-01 2/6/2019 PZ-01-GWA7-020619 L1905246-04	PZ-01 5/21/2019 PZ-01-GWA8-052119 L1921853-04	PZ-01 8/20/2019 PZ-01-GWA9-082019 L1938031-07	PZ-01 11/19/2019 PZ-01-GWA10- 111919 L1956826-04
Sample ID Lab Sample ID		Ambient GW Quality Standard	PZ1 61650001	1W_8/26/2002 0823405A	PZ-1_8/26/2002 0823402A	BD-02_4/3/2003 0405910A	PZ-01_4/3/2003 0405901A	PZ01GWA1 789858	PZ01GWA2 810584	PZ01GWA3 929185	PZ-01GWA1 05-16 L1614244-01	PZ-01 GWA2 08-16 L1624290-01	PZ-01 GWA3 11-16 L1637979-01	PZ-01-GWA4-02-17 L1704992-02	PZ-01 GWA 05-17 L1716172-02	PZ-01 08-17 L1727753-02	PZ-01-GWA7-020619 L1905246-04	PZ-01-GWA8-052119 L1921853-04	PZ-01-GWA9-082019 L1938031-07	PZ-01-GWA10- 111919 L1956826-04
Analyte	Units																			
VOCS DETECTED																				
1,1,1-TRICHLOROETHANE	ug/l	5	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	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	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	1.5 U	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	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	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	10 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	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	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	2 B,J	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	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	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	2.5 U	2.5 U	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5		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	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	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	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10		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	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	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	0.37 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
TOLUENE	ug/l	5	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	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5		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	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	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	0.50 U	0.50 U	0.50 U
CARBON TETRACHLORIDE	ug/l	5	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	0.50 U	0.50 U	0.50 U

Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			PZ-01D 4/28/2005	PZ-01D 8/9/2006	PZ-01D 5/12/2016	PZ-01D 8/4/2016	PZ-01D 11/21/2016	PZ-01D 2/16/2017	PZ-01D 5/17/2017	PZ-01D 8/9/2017	PZ-01D 2/6/2019 PZ-01D-GWA7- 020619 L1905246-05	PZ-01D 5/21/2019 PZ-01D-GWA8- 052119 L1921853-05	PZ-01D 8/20/2019 PZ-01D-GWA9- 082019 L1938031-06	PZ-01D 11/19/2019 PZ-01D-GWA10- 111919 L1956826-03
Sample ID Lab Sample ID			PZ01DGWA2 810602	PZ01DGWA3 929188	PZ-01DGWA1 05-16 L1614435-07	PZ-01D GWA2 08-16 L1624290-03	PZ-01D GWA3 11-16 L1637979-02	PZ-01D-GWA4-02-17 L1704992-03	PZ-01D GWA 05-17 L1716172-03	PZ-01D 08-17 L1727753-03				
Analyte	Units	Ambient GW Quality Standard												
VOCS DETECTED														
1,1,1-TRICHLOROETHANE	ug/l	5	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	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	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	1.5 U	1.5 U
1,1-DICHLOROETHENE	ug/l	5	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	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	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 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	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	5.0 U	5.0 U
CHLOROFORM	ug/l	7	0.53 J	1.3	1.2 J	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
CIS-1,2-DICHLOROETHENE	ug/l	5	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	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	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	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	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	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	0.62 J	0.75 J	0.56	0.26 J	0.52	0.40 J	1.4	0.37 J	0.81	0.95	0.58	1.3
TOLUENE	ug/l	5	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	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	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	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	23	8	0.69	0.79	0.73	0.56	1.5	0.98	0.75	0.80	0.80	1.0
CARBON TETRACHLORIDE	ug/l	5	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	0.50 U	0.50 U

Notes:
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4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
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Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			PZ-08 6/20/2001	PZ-08 8/27/2002	PZ-08 4/3/2003	PZ-08 1/18/2005	PZ-08 4/28/2005	PZ-08 8/11/2006	PZ-08 5/11/2016	PZ-08 5/11/2016	PZ-08 8/3/2016	PZ-08 11/22/2016	PZ-08 2/15/2017	PZ-08 5/16/2017	PZ-08 5/16/2017	PZ-08 8/10/2017	PZ-08 2/6/2019	PZ-08 5/21/2019	PZ-08 8/21/2019	PZ-08 11/19/2019 PZ-08-GWA10- 111919 L1956826-08
Sample ID Lab Sample ID			PZ-8 06177-03A	PZ-8_8/27/2002 0825701A	PZ-08_4/3/2003 0405905A	PZ08GWA1 789857	PZ08GWA2 810600	PZ08GWA3 929429	PZ-08GWA1 05-16 L1614244-02	PZ-08GWB1 05-16 L1614244-03	PZ-8 GWA2 08-16 L1624178-01	PZ-08 GWA3 11-16 L1638129-04	PZ08-GWA4-02-17 L1704822-04	PZ-08 GWA5 05-17 L1716007-01	PZ-08 GWB5 05-17 L1716007-02	PZ-08 08-17 L1727963-05	PZ-08-GWA7-020619 L1905246-07	PZ-08-GWA8-052119 L1921853-06	PZ-08-GWA9-082119 L1938031-08	
Analyte	Units	Ambient GW Quality Standard																		
VOCS DETECTED																				
1,1,1-TRICHLOROETHANE	ug/l	5	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-TRICHLOROETHANE	ug/l	1	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	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1,2-DICHLOROETHENE	ug/l	5	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	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	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	2.5 U
2-BUTANONE	ug/l	50	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
ACETONE	ug/l	50	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
CHLOROFORM	ug/l	7	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	1.2 J	2.5 U	2.5 U	2.5 U	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
DICHLOROMETHANE	ug/l	5	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
METHYL TERT BUTYL ETHER	ug/l	10	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	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	2.5 U
TETRACHLOROETHENE	ug/l	5	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	0.59	1.4	0.90	0.57	0.34 J
TOLUENE	ug/l	5	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	ug/l	5	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
TRICHLOROETHENE	ug/l	5	510 D	204 D	395 J	38	40	7	1.5	1.5	3.2	2.2	4.4	1.6	1.7	2.0	2.4	2.0	1.9	1.2
CARBON TETRACHLORIDE	ug/l	5	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	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:
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9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			PZ-09 6/20/2001	PZ-09 8/27/2002	PZ-09 4/3/2003	PZ-09 1/20/2005	PZ-09 4/28/2005	PZ-09 4/28/2005	PZ-09 8/10/2006	PZ-09 5/12/2016	PZ-09 8/3/2016	PZ-09 11/22/2016	PZ-09 2/15/2017	PZ-09 5/16/2017	PZ-09 8/10/2017	PZ-09 2/6/2019	PZ-09 5/21/2019	PZ-09 8/21/2019	PZ-09 11/20/2019 PZ-09-GWA10- 112019 L1956826-09
Sample ID Lab Sample ID			PZ-9 06177-04A	PZ-9_8/27/2002 0625702A	PZ-09_4/3/2003 0405906A	PZ09GWA1 789850	PZ09GWA2 810603	PZ09GWB1 810604	PZ09GWA3 929182	PZ-09GWA1 05-16 L1614435-02	PZ-9 GWA2 08-16 L1624178-03	PZ-09 GWA3 11-16 L1638129-05	PZ09-GWA4-02-17 L1704822-05	PZ-09 GWA5 05-17 L1716007-03	PZ-09 08-17 L1727963-06	PZ-09-GWA7-020619 L1905246-06	PZ-09GWA8-052119 L1921853-07	PZ-09-GWA9-082119 L1938031-09	
Analyte	Units	Ambient GW Quality Standard																	
VOCS DETECTED																			
1,1,1-TRICHLOROETHANE	ug/l	5	46	26.9 J	5.00 U	3.4	0.57 J	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	5 J	5.18 J	0.952 J	1 U	1.0 U	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	10 U	0.634 J	5.00 U	1 U	1.0 U	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	10 U	10.0 UJ	10.0 U	5 U	5.0 U	5 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	10.0 UJ	10.0 UJ	5.2 J	10 U	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	3 J	13.0 J	0.930 J	1.2	0.72 J	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	460 D	283 D	107	25	4.8	5.0	14	14	25	8.6	27	14	4.1	7.7	5.4	2.0 J	7.2
DICHLOROMETHANE	ug/l	5	10 U	0.324 J	5.00 U	1 U	1.0 U	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	10 U	0.638 J	0.375 J	1 U	1.0 U	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	18	23.6 J	6.63	1.5	1.5	1.2	1.2	190	270	100	280	64	41	32	12	20	20
TOLUENE	ug/l	5	10 U	5.00 UJ	5.00 U	1 U	1.0 U	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	2 J	2.69 J	0.509 J	1 U	1.0 U	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	2100 D	1180 D	578 J	180	99	98	110	25	54	14	64	48	6.6	7.6	11	7.2	16
CARBON TETRACHLORIDE	ug/l	5	10 U	5.00 UJ	5.00 U	1 U	1.0 U	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

Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 3
Groundwater Sample Results 2005 - 2019
Former Ozone Industries
Queens, NY

Location ID Sample Date			PZ-10 6/20/2001	PZ-10 8/27/2002	PZ-10 4/3/2003	PZ-10 1/20/2005	PZ-10 8/10/2006	PZ-10 5/12/2016	PZ-10 8/4/2016	PZ-10 11/22/2016	PZ-10 11/22/2016	PZ-10 2/16/2017	PZ-10 5/17/2017	PZ-10 8/10/2017	PZ-10 2/7/2019	PZ-10 2/7/2019	PZ-10 5/23/2019	PZ-10 8/21/2019	PZ-10 11/20/2019 PZ-10-GWA10- 112019 L1956826-10
Sample ID Lab Sample ID			PZ-10 06177-05A	PZ-10_8/27/2002 0825705A	PZ-10_4/3/2003 0405907A	PZ10GWA1 789851	PZ10GWA3 929180	PZ-10GWA1 05-16 L1614435-01	PZ-10 GWA2 08-16 L1624290-04	PZ-10 GWA3 11-16 L1638129-06	PZ-10 GWB3 11-16 L1638129-07	PZ-10-GWA4-02-17 L1704992-01	PZ-10 GWA5 05-17 L1716172-01	PZ-10 08-17 L1727963-07	PZ-10-GWA7-020719 L1905246-09	PZ-10-GWB7-020719 L1905246-10	PZ-10-GWA8-052219 L1921853-09	PZ-10-GWA9-082119 L1938031-10	
Analyte	Units	Ambient GW Quality Standard																	
VOCS DETECTED																			
1,1,1-TRICHLOROETHANE	ug/l	5	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	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	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	1.5 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	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	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	2.0 U
1,2-DICHLOROETHENE (TOTAL)	ug/l	5						2.1 J	6.1	1.5 J	1.5 J	2.2 J	2.5 U	3.5	0.94 J	0.81 J	2.5 U	0.71 J	2.5 U
2-BUTANONE	ug/l	50	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	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	10.0 U	10.0 U	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	1.6 J	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	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	0.75 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CIS-1,2-DICHLOROETHENE	ug/l	5	13	38.8	60.4	3.6	7.5	2.1 J	6.1	1.5 J	1.5 J	2.2 J	2.5 U	3.5	0.94 J	0.81 J	2.5 U	0.71 J	2.5 U
DICHLOROMETHANE	ug/l	5	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	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	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	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	2.5 U
TETRACHLOROETHENE	ug/l	5	10 U	1.35 J	4.68 J	0.95 J	1.6	24	68	24	24	40	8.3	34	24	25	27	18	14
TOLUENE	ug/l	5	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	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	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	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	120	253 D	388 J	78	260	6.8	12	8.9	8.8	12	5.2	15	6.4	6.1	10	9.8	9.7
CARBON TETRACHLORIDE	ug/l	5	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	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:
1) Only compounds which were detected in at least one sample are shown.
2) blank spaced indicated not analyzed.
3) U = Non-detect at laboratory detection limit.
4) J = Estimated value.
5) B = Found in associated blank
6) D = Concentration recovered in diluted sample.
7) Ambient GW Quality Standard = NY Ambient Water Quality Standards and Guidance Values (i.e., TOGS 1.1.1) (June 1998)
8) Bold value exceeds Ambient GW Quality Standard
9) ug/ = micrograms per liter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-22	LOC-22	LOC-22	LOC-22	LOC-22	LOC-22
Sample ID		SG-22	LOC-22-062217	LOC-22-020719	LOC-22-SG-052319	LOC-22-SG-082019	LOC-22-SG-112019
Sample Date		07/17/2006	06/22/2017	02/07/2019	05/23/2019	08/20/2019	11/20/2019
Depth (ft)		4.5	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/ml ³	< 2.55 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	< 3.96 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/ml ³	< 3.96 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U
TRICHLOROETHENE	ug/ml ³	252	76.3	17.8	28.8	104	17.9
TETRACHLOROETHENE	ug/ml ³	10.3	7.05	26.3	7.05	10.4	1.43

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-24	LOC-24	LOC-24	LOC-24	LOC-24	LOC-24
Sample ID		SG-24	LOC-24-062217	LOC-24-020819	LOC-24-SG-052219	LOC-24-SG-082019	LOC-24-SG-112119
Sample Date		07/13/2006	06/22/2017	02/08/2019	05/22/2019	08/21/2019	11/21/2019
Depth (ft)		5	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/ml ³	< 31.9 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	< 49.5 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/ml ³	< 49.5 U	1.11	< 0.793 U	< 0.793 U	0.987	< 0.793 U
TRICHLOROETHENE	ug/ml ³	22100	500	45.3	84.9	405	44.3
TETRACHLOROETHENE	ug/ml ³	367	42.0	64.5	25.9	65.0	5.43

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-25	LOC-25	LOC-25	LOC-25	LOC-25	LOC-25
Sample ID		SG-25	LOC-25-062217	LOC-25-020719	LOC-25-SG-052319	LOC-25-SG-082019	LOC-25-SG-112019
Sample Date		07/17/2006	06/22/2017	02/07/2019	05/23/2019	08/20/2019	11/20/2019
Depth (ft)		4	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/ml ³	< 31.9 U	< 2.56 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	< 49.5 U	< 3.96 U	< 0.793 U	< 0.793 U	1.11	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/ml ³	< 49.5 U	35.6	1.36	7.14	5.55	1.47
TRICHLOROETHENE	ug/ml ³	17800	1390	69.9	288	236	76.9
TETRACHLOROETHENE	ug/ml ³	214	597	11.2	95.6	29.2	2.49

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-26	LOC-26	LOC-26	LOC-26	LOC-26	LOC-26
Sample ID		SG-26	LOC-26-062217	LOC-26-020819	LOC-26-SG-052219	LOC-26-SG-082019	LOC-26-SG-112119
Sample Date		07/13/2006	06/22/2017	02/08/2019	05/22/2019	08/21/2019	11/21/2019
Depth (ft)		4	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/ml ³	< 31.9 U	< 2.56 U	< 0.511 U	< 0.511 U	< 1.02 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	< 49.5 U	< 3.96 U	< 0.793 U	< 0.793 U	< 1.59 U	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/ml ³	226	5.87	1.73	1.67	4.84	1.52
TRICHLOROETHENE	ug/ml ³	32200	1500	123	147	763	224
TETRACHLOROETHENE	ug/ml ³	761	72.6	93.6	27.4	64.3	7.12

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-27	LOC-27	LOC-27	LOC-27	LOC-27	LOC-27
Sample ID		SG-27	LOC-27-062217	LOC-27-020719	LOC-27	LOC-27-SG-082019	LOC-27-SG-112019
Sample Date		07/17/2006	06/22/2017	02/07/2019	06/08/2019	08/20/2019	11/20/2019
Depth (ft)		4	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/ml ³	< 31.9 U	< 24.8 U	< 0.511 U	< 1.28 U	< 11.3 U	< 2.56 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	86.9	< 38.5 U	2.65	4.04	23.2	15.1
CIS-1,2-DICHLOROETHENE	ug/ml ³	5890	1750	101	263	1470	428
TRICHLOROETHENE	ug/ml ³	49300	13300	464	1320	10700	2120
TETRACHLOROETHENE	ug/ml ³	849	257	22.7	24.3	66.2	9.22

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-27B	LOC-27B	LOC-27B	LOC-27B	LOC-27B
Sample ID		LOC-27B-	LOC-27B-	LOC-27B-SG-	LOC-27B-SG-	LOC-27B-SG-
Sample Date		062217	020719	052319	082019	112019
Depth (ft)		06/22/2017	02/07/2019	05/23/2019	08/20/2019	11/20/2019
Matrix		8	8	8	8	8
Chemical Name		GS	GS	GS	GS	GS
Units						
VINYL CHLORIDE	ug/ml ³	< 5.11 U	< 0.511 U	< 0.511 U	< 5.11 U	< 1.02 U
TRANS-1,2-DICHLOROETHENE	ug/ml ³	< 7.93 U	< 0.793 U	< 0.793 U	< 7.93 U	< 1.59 U
CIS-1,2-DICHLOROETHENE	ug/ml ³	55.5	13.2	14.9	42.8	15.3
TRICHLOROETHENE	ug/ml ³	3830	564	512	4430	897
TETRACHLOROETHENE	ug/ml ³	27.9	8.54	5.53	33.2	5.67

ug/ml³ = micrograms per cubic meter

Table 4
Soil Gas Sample Results - 2006 - 2019
Former Ozone Industries
Queens, NY

Location ID		LOC-28	LOC-28	LOC-28	LOC-28	LOC-28	LOC-28
Sample ID		SG-28	LOC-28-062217	LOC-28-020819	LOC-28-SG-052219	LOC-28-SG-082019	LOC-28-SG-112119
Sample Date		07/13/2006	06/22/2017	02/08/2019	05/22/2019	08/21/2019	11/21/2019
Depth (ft)		4	8	8	8	8	8
Matrix		GS	GS	GS	GS	GS	GS
Chemical Name	Units						
VINYL CHLORIDE	ug/mi ³	< 31.9 U	< 1.71 U	< 0.511 U	< 0.511 U	< 0.851 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/mi ³	< 49.5 U	< 2.64 U	< 0.793 U	< 0.793 U	< 1.32 U	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/mi ³	822	< 2.64 U	< 0.793 U	< 0.793 U	< 1.32 U	< 0.793 U
TRICHLOROETHENE	ug/mi ³	38700	1370	34.2	130	715	118
TETRACHLOROETHENE	ug/mi ³	1350	73.2	4.53	15.1	35.7	1.97

ug/mi³ = micrograms per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-8					BAY-8-OUTDOOR	
Sample ID		BAY 8 - INDOOR AIR 061517	BAY 8-INDOOR AIR- 101117	BAY 8-INDOOR AIR-- 01-11-18	BAY 8-INDOOR AIR_041918	BAY8A- INDOOR AIR_122319	BAY 8-OUTDOOR AIR--01-11-18	BAY 8-OUTDOOR AIR_041718
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019	01/11/2018	04/19/2018
Chemical Name	units							
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	0.134	1.10	0.645	< 0.107 U	0.253	2.65	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.481	15.5	5.95	1.80	1.64	17.2	5.45

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-9				
Sample ID		100THSTREET- OUTDOORAIR_1223 19	BAY 9 - INDOORAIR 061517	BAY 9-INDOOR AIR- 101117	BAY 9-INDOOR AIR-- 01-11-18	BAY 9-INDOOR AIR_041918
Sample Date		12/23/2019	06/15/2017	10/11/2017	01/11/2018	04/19/2018
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	< 0.107 U	0.226	1.32	1.66	0.167
TETRACHLOROETHENE	ug/m ³	1.46	0.258	26.9	11.9	27.6

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-10				
Sample ID		BAY 10 - INDOORAIR - 061517	BAY 10-INDOOR AIR 101117	BAY 10-INDOOR AIR -01-11-18	BAY 10-INDOOR AIR_041918	BAY10- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	< 0.107 U	1.11	1.44	0.156	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.210	27.5	9.09	22.0	1.40

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-11				
Sample ID		BAY 11 - INDOORAIR - 061517	BAY 11-INDOOR AIR 101117	BAY 11-INDOOR AIR -01-11-18	BAY 11-INDOOR AIR_041918	BAY11- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	< 0.107 U	0.871	1.12	0.129	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.224	15.9	6.43	18.6	1.45

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-12				
Sample ID		BAY 12 - INDOORAIR - 061517	BAY 12-INDOOR AIR 101117	BAY 12-INDOOR AIR -01-11-18	BAY 12-INDOOR AIR_041918	BAY12- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	< 0.107 U	0.752	1.28	0.107	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.285	13.9	7.19	3.87	0.888

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-13				
Sample ID		BAY 13 - INDOORAIR - 061517	BAY 13-INDOOR AIR 101117	BAY 13-INDOOR AIR -01-11-18	BAY 13-INDOOR AIR_041918	BAY13- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	0.167	0.559	1.26	< 0.107 U	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.251	10.0	5.95	12.6	1.59

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-14				
Sample ID		BAY 14 - INDOORAIR - 061517	BAY 14-INDOOR AIR 101117	BAY 14-INDOOR AIR -01-11-18	BAY 14-INDOOR AIR_041918	BAY14- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	0.172	0.554	0.903	0.279	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.217	6.98	3.96	29.4	1.59

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-14-OUTDOOR				
Sample ID		BAY 14 - OUTDOORAIR - 061517	BAY 14-OUTDOOR AIR-101117	BAY14-OUTDOOR AIR--01-11-18	BAY 14-OUTDOOR AIR_041718	99THSTREET- OUTDOORAIR_1223 19
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U	0.230
TRICHLOROETHENE	ug/m ³	< 0.107 U	0.554	0.693	< 0.107 U	0.172
TETRACHLOROETHENE	ug/m ³	0.244	12.2	4.79	3.26	0.936

ug/m³ = microgram per cubic meter

Table 5
Ambient Air Sample Results (2017 - 2019)
Former Ozone Industries
Queens, New York

Location ID		BAY-15				
Sample ID		BAY 15 - INDOORAIR - 061517	BAY 15-INDOOR AIR 101117	BAY 15-INDOOR AIR -01-11-18	BAY 15-INDOOR AIR_041918	BAY15- INDOORAIR_122319
Sample Date		06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Chemical Name	units					
VINYL CHLORIDE	ug/m ³	< 0.112 U	< 0.051 U	< 0.051 U	< 0.051 U	< 0.051 U
TRANS-1,2-DICHLOROETHENE	ug/m ³	< 0.174 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
CIS-1,2-DICHLOROETHENE	ug/m ³	< 0.174 U	< 0.079 U	< 0.079 U	< 0.079 U	< 0.079 U
TRICHLOROETHENE	ug/m ³	< 0.236 U	0.709	0.677	0.161	< 0.107 U
TETRACHLOROETHENE	ug/m ³	0.313	12.1	3.85	40.8	1.18

ug/m³ = microgram per cubic meter

Table 6 Soil Gas Sample Results - 2005-2019
Former Ozone Industries
Queens, NY

Location ID		BAY-8	BAY-8	BAY-9	BAY-9	BAY-9	BAY-9	BAY-9	BAY-9	BAY-10	BAY-10
Sample ID		SG-1_AIR	SG-1-2006	SG-2_AIR	SG-2-2006	MP-4S-061517	BAY 9-MP4S-101117	BAY 9-MP4S-011118	BAY 9-MP-4S_041918	SG-3_AIR	SG-3-2006
Sample Date		07/19/2005	08/09/2006	07/20/2005	08/09/2006	06/15/2017	10/11/2017	01/11/2018	04/19/2018	07/20/2005	08/08/2006
Depth (ft)		4	4	8	8	4	4	4	4	4	4
Matrix		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
Chemical Name	Units										
VINYL CHLORIDE	ug/M ³	< 13 U	< 12.8 U	< 13 U	< 1990 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 13 U	< 2240 U
TRANS-1,2-DICHLOROETHENE	ug/M ³	100	159	100	< 3080 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	170	< 3470 U
CIS-1,2-DICHLOROETHENE	ug/M ³	5500 E	46600	5400 E	3910	1.31	0.952	1.92	< 0.793 U	7900 E	6520
TRICHLOROETHENE	ug/M ³	60000 E	675000	40000 E	104000	53.7	33.8	30.4	< 1.07 U	41000 E	128000
TETRACHLOROETHENE	ug/M ³	1400	5000	620	< 5280 U	4.41	11.3	7.59	7.53	630	< 5940 U

ug/M³ = micrograms per cubic meter
 U = not detected at or above reporting limit
 E = concentration of analyte exceeds
 the range of the calibration curve a
 and/or linear range of the instrument

Table 6 Soil Gas Sample Results - 2005-2019
Former Ozone Industries
Queens, NY

Location ID	BAY-11	BAY-11	BAY-11	BAY-11	BAY-11	BAY-11	BAY-11	BAY-11	BAY-12	BAY-12	
	Sample ID Sample Date Depth (ft) Matrix				BAY 11-MP8S-101117	BAY 11-MP8S-011118	BAY 11-MP-8S_041918	MP-8S-SOILGAS_122319			
		SG-4_AIR	SG-4-2006	MP-8S-061517						SG-5_AIR	SS-5-2006
		07/22/2005	08/08/2006	06/15/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019	07/25/2005	08/14/2006	
		4	4	4	4	4	4	4	4	4	
Chemical Name	Units	GS	GS	GS	GS	GS	GS	GS	GS	GS	
VINYL CHLORIDE	ug/M³	< 13 U	< 2240 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 26 U	< 63.8 U	
TRANS-1,2-DICHLOROETHENE	ug/M³	400	< 3480 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	2500	1240	
CIS-1,2-DICHLOROETHENE	ug/M³	18000 E	23800	6.03	6.38	< 0.793 U	< 0.793 U	2.03	54000 E	17800	
TRICHLOROETHENE	ug/M³	75000 E	346000	114	104	< 1.07 U	< 1.07 U	10.4	130000 E	135000	
TETRACHLOROETHENE	ua/M³	2400 E	8300	7.19	10.0	3.42	6.98	< 1.36 U	2300	11000	

ug/M³ = micrograms per cubic meter
 U = not detected at or above reporting limit
 E = concentration of analyte exceeds
 the range of the calibration curve a
 and/or linear range of the instrument

Table 6 Soil Gas Sample Results - 2005-2019
Former Ozone Industries
Queens, NY

Location ID		BAY-13	BAY-13	BAY-13	BAY-13	BAY-13	BAY-13	BAY-14	BAY-14
Sample ID		SG-6_AIR	SS-6-2006	MP-12S-061517	BAY 13-MP12S-101117	BAY 13-MP12S-011118	MP-12S-SOILGAS_122-319	SS-14	SS-14-2006
Sample Date		07/25/2005	08/11/2006	06/15/2017	10/11/2017	01/11/2018	12/23/2019	08/11/2005	08/10/2006
Depth (ft)		4	4	4	4	4	4	4	4
Matrix		GS	GS	GS	GS	GS	GS	GS	GS
Chemical Name	Units								
VINYL CHLORIDE	ug/M ³	< 13 U	< 1100 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 64 U	< 208 U
TRANS-1,2-DICHLOROETHENE	ug/M ³	600	< 1710 U	0.856	< 0.793 U	< 0.793 U	< 0.793 U	< 99 U	< 322 U
CIS-1,2-DICHLOROETHENE	ug/M ³	29000 E	29500	6.90	5.04	< 0.793 U	< 0.793 U	< 99 U	3420
TRICHLOROETHENE	ug/M ³	69000 E	363000	164	137	11.2	35.5	1500	52700
TETRACHLOROETHENE	ug/M ³	1900 E	< 2930 U	7.32	6.27	< 1.36 U	1.47	< 170 U	< 551 U

ug/M³ = micrograms per cubic meter

U = not detected at or above reporting limit

E = concentration of analyte exceeds
the range of the calibration curve a
and/or linear range of the instrument

Table 6 Soil Gas Sample Results - 2005-2019
Former Ozone Industries
Queens, NY

Location ID		BAY-15	BAY-15	BAY-15	BAY-15	BAY-15	BAY-15	BAY-15	BAY-15
Sample ID		SG-8_AIR	SS-8-2006	MP-15S-061517	BAY 15-MP15S-101117	BAY 15-MP15S-101117-2	BAY 15-MP15S-011118	BAY 15-MP15S-041918	MP-15S-SOILGAS_122-319
Sample Date		07/26/2005	08/10/2006	06/15/2017	10/11/2017	10/11/2017	01/11/2018	04/19/2018	12/23/2019
Depth (ft)		6	4	4	4	4	4	4	4
Matrix		GS	GS	GS	GS	GS	GS	GS	GS
Chemical Name	Units								
VINYL CHLORIDE	ug/M ³	< 26 U	< 2020 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U	< 0.511 U
TRANS-1,2-DICHLOROETHENE	ug/M ³	40	< 3130 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U
CIS-1,2-DICHLOROETHENE	ug/M ³	3200	8910	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	< 0.793 U	1.03
TRICHLOROETHENE	ug/M ³	33000 E	133000	6.61	20.5	20.9	7.74	< 1.07 U	3.12
TETRACHLOROETHENE	ug/M ³	330	< 5350 U	< 1.36 U	4.73	3.99	< 1.36 U	4.38	< 1.36 U

ug/M³ = micrograms per cubic meter

U = not detected at or above reporting limit

E = concentration of analyte exceeds
the range of the calibration curve a
and/or linear range of the instrument

Figures



- LEGEND**
- MONITORING WELL LOCATION
 - SITE (12,000 Square Feet)
- UTILITIES REFERENCES:**
- COMMUNICATION LINES FROM VERIZON DRAWINGS.
 - GAS AND ELECTRIC LINES FROM KEYSpan ENERGY DRAWINGS.
 - SANITARY AND STORM SEWER LINES FROM NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.



Figure Number: 1	Sheet Number: 1	GROUNDWATER MONITORING WELL NETWORK		AECOM	Revisions				
		FORMER OZONE INDUSTRIES, INC. OZONE PARK, NEW YORK, NY			No.:	Description:	Date:	By:	
		Scale: 1" = 60'	Date: 02/12/2018	Project Number: 60270935.7	Designed By:				
					Drawn By:				
					J.E.B.				
					Checked By:				
					R.M.				
					Approved By:				
					D.A.				



Appendix A

System Summary Tables

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

DATE OF O&M VISIT	01/15/19	02/12/19	03/13/19	04/09/19	05/29/19	05/30/19	06/17/19	07/15/19	08/12/19
TYPE OF SYSTEM CHECK	Full	Full	Full	Full	Full	Full	Full	Full	Full
FIELD TECHNICIAN	CG	CG	CG	CG	CG	CG	CG	CG	CG
Monitoring Well Network									
Pressure ("H ₂ O)									
MP-1S	-0.10	-0.15	-0.15	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-1D	-0.14	-0.50	-0.45	-0.50	-0.40	-0.40	-0.40	-0.40	-0.40
MP-2S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-2D	-0.15	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
MP-3S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-3D	-0.15	-0.50	-0.50	-0.60	-0.60	-0.50	-0.50	-0.50	-0.50
MP-4S	-0.05	-0.20	-0.30	-0.10	-0.20	-0.20	-0.20	-0.10	-0.20
MP-4D	-0.10	-0.50	-0.50	-0.50	-0.40	-0.40	-0.40	-0.40	-0.50
MP-5S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-5D	-0.18	-0.50	-0.50	-0.60	-0.60	-0.60	-0.60	-0.50	-0.50
MP-6S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-6D	-0.18	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
MP-7S	-0.10	-0.20	-0.20	-0.10	-0.10	-0.10	-0.10	-0.20	-0.20
MP-7D	-0.15	-0.50	-0.50	-0.40	-0.40	-0.40	-0.40	-0.50	-0.50
MP-8S	-0.10	-0.15	-0.15	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-8D	-0.17	0.50	-0.50	-0.60	-0.60	-0.50	-0.50	-0.50	-0.50
MP-9S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-9M	-0.18	-0.50	-0.50	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
MP-9D	-0.19	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.60	-0.50
MP-10S	-0.10	-0.20	-0.20	-0.20	-0.02	-0.20	-0.20	-0.20	-0.20
MP-10M	-0.13	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
MP-10D	-0.20	-1.00	-0.90	-0.70	-0.60	-0.60	-0.60	-0.60	-0.60
MP-11S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-11D	-0.15	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
MP-12S	-0.11	-0.20	-0.20	-0.10	-0.10	-0.10	-0.10	-0.20	-0.20
MP-12D	-0.20	-0.50	-0.50	-0.50	-0.40	-0.40	-0.40	-0.50	-0.50
MP-13S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-13D	-0.17	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
MP-14S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-14D	-0.16	-0.40	-0.40	-0.60	-0.60	-0.50	-0.50	-0.50	-0.50
MP-15S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-15D	-0.18	-0.50	-0.50	-0.50	-0.50	-0.60	-0.60	-0.60	-0.60
MP-16S	-0.10	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20	-0.20
MP-16D	-0.17	-0.60	-0.60	-0.60	-0.50	-0.50	-0.50	-0.50	-0.60
VOCs (ppm)									
MP-1S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-1D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-2S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-2D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-3S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-3D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-4S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-4D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-5S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-5D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-6S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-6D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-7S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-7D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-8S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-8D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-9S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-9M	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-9D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-10S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-10M	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-10D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-11S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-11D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-12S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-12D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-13S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-13D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-14S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-14D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-15S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-15D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-16S	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM
MP-16D	0.00	0.00	0.00	0.00	NM	NM	NM	NM	NM

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

DATE OF O&M VISIT		01/15/19	02/12/19	03/13/19	04/09/19	05/29/19	06/17/19	07/13/19	08/12/19
SSD System Status (Up / Down / Off)									
	Status On Arrival	Up	Up	Up	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	76%	76%	74%	77%	75%	76%	76%	75%
System Operation Status Between O&M Events									
	On Arrival								
	% Up Time	100%	100%	100%	100%	100%	100%	100%	100%
	% Down Time	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	% Off Time	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Sub Slab Depression Blower (B-2)									
	Days Between O&M Events	126	127	121	113	134	125	122	125
	Days Of Operations	992	1020	1049	1076	1126	1145	1171	1201
SSD Blower Operation									
	Hour Meter (hrs)	18,161.2	18,617.2	18,618.2	19,984.0	20,371.9	20,824.8	21,498.9	21,661.0
	Hours Between Events	3,025.5	3,234.4	1,992.5	2,517.7	2,210.7	2,207.6	2,880.7	1,677.0
	Time Between Events (hrs)	3,025.0	3,051.1	2,906.3	2,711.6	3,220.4	2,999.8	2,928.8	3,003.5
	Time Since Start Up (hrs)	23,808.0	24,481.3	25,178.3	25,824.6	27,028.4	27,481.1	28,107.1	28,828.1
	VFD Frequency (Hz)	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
	VFD Load (Amps)	16.2	16.6	16.6	16.2	15.8	16.0	15.7	15.7
Pressure ("H ₂ O)									
	SSD-1	-2.0	-2.2	-1.6	-2.2	-2.2	-2.2	-2.3	-2.4
	SSD-2	-2.2	-2.3	-2.3	-2.9	-2.9	-2.9	-2.9	-3.0
	SSD-3	-3.2	-2.8	-2.9	-3.4	-3.4	-3.5	-3.5	-3.5
	SSD-4	-3.2	-2.5	-3.3	-3.7	-3.8	-3.9	-3.8	-3.5
	SSD-5	-3.2	-2.8	-3.2	-3.7	-3.8	-3.8	-3.8	-3.8
	SSD-6	-3.2	-2.8	-3.2	-3.7	-3.8	-3.8	-3.8	-3.8
	SSD-7	-3.3	-2.8	-3.2	-3.7	-3.8	-3.8	-3.8	-3.8
	SSD-8	-3.4	-2.8	-3.2	-3.7	-3.8	-3.8	-3.7	-3.8
Soil Vapor Velocity (ft/min)									
	SSD-1	2855	2780	1220	1276	1838	998	1003	1207
	SSD-2	2560	2899	1215	982	1352	1216	1310	1350
	SSD-3	2790	3099	1180	1385	1921	1322	1417	1423
	SSD-4	2588	3001	1125	1110	1500	1238	1251	1290
	SSD-5	2098	2830	985	972	1236	1120	1153	1200
	SSD-6	2145	2670	970	945	1250	994	1002	1018
	SSD-7	1801	2610	960	850	1320	913	1031	1054
	SSD-8	1892	2104	781	758	1300	699	705	800
Soil Vapor Flow Rate (ft ³ /min)									
	SSD-1	62.29	60.65	26.62	27.84	40.10	21.77	21.88	26.33
	SSD-2	55.85	63.25	26.51	21.42	29.50	26.53	28.58	29.45
	SSD-3	60.87	67.61	25.74	30.22	41.91	28.84	30.91	31.05
	SSD-4	56.46	65.47	24.54	24.22	32.72	27.01	27.29	28.14
	SSD-5	45.77	61.74	21.49	21.21	26.97	24.43	25.15	26.18
	SSD-6	46.80	58.25	21.16	20.62	27.27	21.69	21.86	22.21
	SSD-7	39.29	56.94	20.94	18.54	28.80	19.92	22.49	22.99
	SSD-8	41.28	45.90	17.04	16.54	28.36	15.25	15.38	17.45
VOCs (ppm _v)									
	SSD-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSD Sample Ports									
VOCs (ppm _v)									
	SSD-SP01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	SSD-SP04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

- Notes:
- 1) Soil Vapor Velocity taken form individual SSD Wells is from a 2.0-inch diameter pipe.

2) Soil Vapor Velocity taken with pitot tube assuming soil vapor temp of 65 deg F, from SSD SP-03, which is from a 4.0" diameter pipe.

3) Soil Vapor Velocity taken form SSD-SP-04 is from a 3.0-inch diameter pipe.

4) Dilution is calculated by subtracting Blower Inlet and Discharge Soil Vapor Flow Rate.

5) NR= Not Recorded, #N/A = Not recorded placeholder for calculation purposes.

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

DATE OF O&M VISIT		01/15/19	02/12/19	03/13/19	04/09/19	05/29/19	06/17/19	07/13/19	08/12/19
SVE System Status (Up / Down / Off)									
	Status On Arrival	OFF	Up	Up	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	56%	56%	57%	58%	57%	58%	59%	58%
System Status Between O&M Events									
	On Arrival								
	% Up Time	#N/A	100%	100%	100%	100%	100%	100%	100%
	% Down Time	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
	% Off Time	100%	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Soil Vapor Extraction Blower (B-1)									
	Days Between O&M Events	29	28	29	27	50	19	26	30
	Days Of Operations	992	1020	1049	1076	1126	1145	1171	1201
SVE Blower Operation									
	Hour Meter (hrs)	13,129.7	13,539.5	14,229.0	14,878.5	15,412.0	15,821.8	16,497.9	16,659.0
	Hours Between Events	0.0	409.8	689.5	649.5	533.5	409.8	676.1	161.1
	Time Between Events (hrs)	696.0	671.6	693.4	650.5	1,201.5	455.0	625.0	717.0
	Time Since Start Up (hrs)	23,617.0	24,288.6	24,982.0	25,632.5	26,834.0	27,289.0	27,914.0	28,631.0
	VFD Frequency (Hz)	NA	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	VFD Load (Amps)	NA	56.6	57.6	52.4	50.5	50.6	50.0	52.0
Vacuum ("H ₂ O)									
	SVE-8	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-11	NA	-4.2	NA	-4.5	-2.4	-2.9	-2.8	-2.8
	SVE-10	NA	-4.2	NA	-4.5	-2.4	-2.9	-2.8	-2.8
	SVE-15	NA	-6.8	NA	-6.8	-4.0	-4.0	-4.1	-3.9
	SVE-13	NA	-5.5	NA	-4.8	-3.2	-3.0	-3.2	-3.5
	SVE-14	NA	-9.2	NA	-9.9	-6.6	-6.5	-6.0	-5.8
	SVE-16	NA	-5.0	NA	-9.4	-3.0	-3.0	-3.2	-3.0
	SVE-18	NA	-8.7	NA	-8.1	-2.9	3.0	-3.2	-3.5
	SVE-17	NA	-8.5	NA	-2.7	-1.7	-2.1	-2.5	-2.5
	SVE-12	NA	-8.6	NA	-10.5	-3.5	-3.5	-3.0	-3.0
	SVE-9	NA	-6.0	NA	-8.0	-6.6	-6.5	-6.6	-6.2
	SVE-21	NA	-8.9	NA	-7.5	-5.9	-6.0	-6.2	-6.1
	SVE-3	NA	-7.1	NA	-3.7	-2.7	-2.8	-2.5	-2.0
	SVE-1	NA	-8.0	NA	-8.7	-7.6	-7.4	-7.0	-5.9
	SVE-4	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-20	NA	-2.0	NA	-10.9	-5.7	-5.5	-5.3	-5.0
	SVE-19	NA	-2.5	NA	-2.1	-1.7	-1.5	-1.7	-1.0
	SVE-23	NA	-2.9	NA	-1.5	-1.1	-1.0	-1.2	-1.5
	SVE-22	NA	-2.0	NA	-1.0	-0.5	-0.5	-0.9	-0.9
	SVE-25	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA	NA	NA	NA
Soil Vapor Velocity (ft/min)									
	SVE-8	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-11	NA	1833	NA	695	1335	1399	1400	1400
	SVE-10	NA	1805	NA	789	1520	1618	1655	1697
	SVE-15	NA	1901	NA	921	215	451	562	607
	SVE-13	NA	2238	NA	896	1600	1597	1616	1688
	SVE-14	NA	1200	NA	964	549	618	726	796
	SVE-16	NA	1310	NA	597	747	810	905	995
	SVE-18	NA	1750	NA	531	583	611	651	669
	SVE-17	NA	2180	NA	583	846	854	872	899
	SVE-12	NA	2257	NA	1271	2213	1998	1946	1984
	SVE-9	NA	1793	NA	1660	2070	2007	2017	2951
	SVE-21	NA	1802	NA	1699	2112	2158	2611	2700
	SVE-3	NA	1910	NA	1845	2650	2596	2733	2740
	SVE-1	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-4	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-20	NA	2938	NA	608	1125	1152	1237	1219
	SVE-19	NA	2785	NA	504	750	812	958	972
	SVE-23	NA	1007	NA	489	465	593	607	638
	SVE-22	NA	889	NA	531	435	514	539	551
	SVE-25	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA	NA	NA	NA

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

DATE OF O&M VISIT		01/15/19	02/12/19	03/13/19	04/09/19	05/29/19	06/17/19	07/13/19	08/12/19
SVE System Status (Up / Down / Off)									
	Status On Arrival	OFF	Up	Up	Up	Up	Up	Up	Up
	Overall Up Time Since Start Up	56%	56%	57%	58%	57%	58%	59%	58%
Soil Vapor Flow Rate (ft ³ /min)									
	SVE-8	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-7	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-11	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-10	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-15	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-13	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-14	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-16	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-18	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-17	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-12	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-9	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-21	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-3	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-1	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-4	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-2	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-5	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-20	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-19	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-23	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-22	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-25	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-26	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-27	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-24	NR	NR	NR	NR	NR	NR	NR	NR
	SVE-6	NR	NR	NR	NR	NR	NR	NR	NR
VOCs (ppm _v)									
	SVE-8	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-7	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-11	NA	0.0	NA	0.0	0.0	0.1	2.3	2.4
	SVE-10	NA	0.0	NA	0.0	0.0	0.0	2.4	2.6
	SVE-15	NA	0.0	NA	0.0	0.1	0.1	2.3	2.4
	SVE-13	NA	0.0	NA	0.0	0.0	0.3	2.5	2.3
	SVE-14	NA	0.0	NA	0.0	0.2	0.2	4.3	4.1
	SVE-16	NA	0.2	NA	0.0	0.4	0.1	11.6	12.1
	SVE-18	NA	0.9	NA	25.4	0.1	0.1	NM	14.5
	SVE-17	NA	0.5	NA	NA	0.1	0.1	11.6	10.5
	SVE-12	NA	0.0	NA	2.5	0.2	0.2	10.5	9.0
	SVE-9	NA	0.0	NA	NA	NA	0.0	8.7	3.2
	SVE-21	NA	0.0	NA	0.0	0.0	0.0	3.0	6.0
	SVE-3	NA	0.0	NA	1.9	0.0	0.0	6.7	3.2
	SVE-1	NA	NA	NA	NA	NA	NA	3.5	3.5
	SVE-4	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-2	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-5	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-20	NA	0.0	NA	0.0	0.0	0.0	3.7	3.2
	SVE-19	NA	0.0	NA	0.0	0.0	0.0	3.0	3.0
	SVE-23	NA	0.0	NA	0.0	0.1	0.1	4.5	4.0
	SVE-22	NA	0.0	NA	0.0	0.1	0.1	3.3	3.0
	SVE-25	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-26	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-27	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-24	NA	NA	NA	NA	NA	NA	NA	NA
	SVE-6	NA	NA	NA	NA	NA	NA	NA	NA
SVE Sample Ports									
		0.0	0.5	0.0	2.5	0.4	0.3	11.6	12.1
		0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
VOCs (ppm _v)									
	SVE-SP01	NA	0.8	NA	2.5	0.0	0.0	11.7	NM
	SVE-SP04	NA	2.4	16.0	0.0	0.0	0.0	0.2	NM

- Notes:
- 1) Soil Vapor Velocity taken form individual SVE Wells is from a 2.0-inch diameter pipe.
Soil vapor velocity taken with pitot tube

2) assuming soil vapor temp of 65 deg F,
from SVE-SP-03

3) Soil Vapor Velocity taken form SVE-SP-04 is from a 3.0-inch diameter pipe.

4) Dilution is calculated by subtracting Blower Inlet and Discharge Soil Vapor Flow Rate.

5) Mass removal based following calculation: #/hr = Flow Rate x 111 (MW of Benzene) x VOC x 1.53x10⁻⁷) .

6) NR= Not Recorded, #N/A = Not recorded placeholder for calculation purposes.

Appendix B

System Air Sample Lab Results – July 2019



ANALYTICAL REPORT

Lab Number:	L1931370
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	OZONE
Project Number:	Not Specified
Report Date:	07/23/19

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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: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1931370-01	SSD INFLUENT	SOIL_VAPOR	OZONE PARK, NY	07/13/19 14:24	07/17/19
L1931370-02	SVE INFLUENT	SOIL_VAPOR	OZONE PARK, NY	07/13/19 14:42	07/17/19
L1931370-03	TOTAL EFFLUENT	SOIL_VAPOR	OZONE PARK, NY	07/13/19 15:09	07/17/19

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

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: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on July 11, 2019. The canister certification results are provided as an addendum.

L1931370-01 through -03: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the samples. The reporting limits have been elevated accordingly.

L1931370-02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1262915-3 LCS recovery for methylene chloride (131%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 07/23/19

AIR

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-01 D
 Client ID: SSD INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:24
 Date Received: 07/17/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/19 03:14
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.538	0.422	--	2.66	2.09	--		2.109
Chloromethane	0.424	0.422	--	0.876	0.871	--		2.109
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.422	--	ND	2.95	--		2.109
Vinyl chloride	ND	0.422	--	ND	1.08	--		2.109
1,3-Butadiene	ND	0.422	--	ND	0.934	--		2.109
Bromomethane	ND	0.422	--	ND	1.64	--		2.109
Chloroethane	ND	0.422	--	ND	1.11	--		2.109
Ethyl Alcohol	ND	10.5	--	ND	19.8	--		2.109
Vinyl bromide	ND	0.422	--	ND	1.85	--		2.109
Acetone	6.30	2.11	--	15.0	5.01	--		2.109
Trichlorofluoromethane	ND	0.422	--	ND	2.37	--		2.109
iso-Propyl Alcohol	ND	1.05	--	ND	2.58	--		2.109
1,1-Dichloroethene	ND	0.422	--	ND	1.67	--		2.109
tert-Butyl Alcohol	ND	1.05	--	ND	3.18	--		2.109
Methylene chloride	ND	1.05	--	ND	3.65	--		2.109
3-Chloropropene	ND	0.422	--	ND	1.32	--		2.109
Carbon disulfide	ND	0.422	--	ND	1.31	--		2.109
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.422	--	ND	3.23	--		2.109
trans-1,2-Dichloroethene	ND	0.422	--	ND	1.67	--		2.109
1,1-Dichloroethane	ND	0.422	--	ND	1.71	--		2.109
Methyl tert butyl ether	ND	0.422	--	ND	1.52	--		2.109
2-Butanone	ND	1.05	--	ND	3.10	--		2.109
cis-1,2-Dichloroethene	4.30	0.422	--	17.0	1.67	--		2.109



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-01 D
 Client ID: SSD INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:24
 Date Received: 07/17/19
 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								
Ethyl Acetate	ND	1.05	--	ND	3.78	--		2.109
Chloroform	ND	0.422	--	ND	2.06	--		2.109
Tetrahydrofuran	ND	1.05	--	ND	3.10	--		2.109
1,2-Dichloroethane	ND	0.422	--	ND	1.71	--		2.109
n-Hexane	ND	0.422	--	ND	1.49	--		2.109
1,1,1-Trichloroethane	ND	0.422	--	ND	2.30	--		2.109
Benzene	3.37	0.422	--	10.8	1.35	--		2.109
Carbon tetrachloride	ND	0.422	--	ND	2.65	--		2.109
Cyclohexane	ND	0.422	--	ND	1.45	--		2.109
1,2-Dichloropropane	ND	0.422	--	ND	1.95	--		2.109
Xylene (Total)	ND	0.422	--	ND	1.83	--		2.109
Bromodichloromethane	ND	0.422	--	ND	2.83	--		2.109
1,4-Dioxane	ND	0.422	--	ND	1.52	--		2.109
Trichloroethene	6.18	0.422	--	33.2	2.27	--		2.109
2,2,4-Trimethylpentane	ND	0.422	--	ND	1.97	--		2.109
Heptane	ND	0.422	--	ND	1.73	--		2.109
cis-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--		2.109
4-Methyl-2-pentanone	ND	1.05	--	ND	4.30	--		2.109
trans-1,3-Dichloropropene	ND	0.422	--	ND	1.92	--		2.109
1,1,2-Trichloroethane	ND	0.422	--	ND	2.30	--		2.109
Toluene	0.816	0.422	--	3.08	1.59	--		2.109
1,2-Dichloroethene (total)	4.30	0.422	--	17.0	1.67	--		2.109
2-Hexanone	ND	0.422	--	ND	1.73	--		2.109
Dibromochloromethane	ND	0.422	--	ND	3.60	--		2.109
1,3-Dichloropropene, Total	ND	0.422	--	ND	1.92	--		2.109
1,2-Dibromoethane	ND	0.422	--	ND	3.24	--		2.109



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-01 D
 Client ID: SSD INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:24
 Date Received: 07/17/19
 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								
Tetrachloroethene	ND	0.422	--	ND	2.86	--		2.109
Chlorobenzene	ND	0.422	--	ND	1.94	--		2.109
Ethylbenzene	ND	0.422	--	ND	1.83	--		2.109
p/m-Xylene	ND	0.844	--	ND	3.67	--		2.109
Bromoform	ND	0.422	--	ND	4.36	--		2.109
Styrene	ND	0.422	--	ND	1.80	--		2.109
1,1,2,2-Tetrachloroethane	ND	0.422	--	ND	2.90	--		2.109
o-Xylene	ND	0.422	--	ND	1.83	--		2.109
4-Ethyltoluene	ND	0.422	--	ND	2.07	--		2.109
1,3,5-Trimethylbenzene	ND	0.422	--	ND	2.07	--		2.109
1,2,4-Trimethylbenzene	ND	0.422	--	ND	2.07	--		2.109
Benzyl chloride	ND	0.422	--	ND	2.19	--		2.109
1,3-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.109
1,4-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.109
1,2-Dichlorobenzene	ND	0.422	--	ND	2.54	--		2.109
1,2,4-Trichlorobenzene	ND	0.422	--	ND	3.13	--		2.109
Hexachlorobutadiene	ND	0.422	--	ND	4.50	--		2.109

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	103		60-140



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-02 D
 Client ID: SVE INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:42
 Date Received: 07/17/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/19 03:52
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.06	--	ND	5.24	--		5.291
Chloromethane	ND	1.06	--	ND	2.19	--		5.291
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.06	--	ND	7.41	--		5.291
Vinyl chloride	ND	1.06	--	ND	2.71	--		5.291
1,3-Butadiene	ND	1.06	--	ND	2.35	--		5.291
Bromomethane	ND	1.06	--	ND	4.12	--		5.291
Chloroethane	ND	1.06	--	ND	2.80	--		5.291
Ethyl Alcohol	ND	26.4	--	ND	49.7	--		5.291
Vinyl bromide	ND	1.06	--	ND	4.63	--		5.291
Acetone	ND	5.29	--	ND	12.6	--		5.291
Trichlorofluoromethane	ND	1.06	--	ND	5.96	--		5.291
iso-Propyl Alcohol	ND	2.64	--	ND	6.49	--		5.291
1,1-Dichloroethene	ND	1.06	--	ND	4.20	--		5.291
tert-Butyl Alcohol	ND	2.64	--	ND	8.00	--		5.291
Methylene chloride	ND	2.64	--	ND	9.17	--		5.291
3-Chloropropene	ND	1.06	--	ND	3.32	--		5.291
Carbon disulfide	ND	1.06	--	ND	3.30	--		5.291
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.06	--	ND	8.12	--		5.291
trans-1,2-Dichloroethene	ND	1.06	--	ND	4.20	--		5.291
1,1-Dichloroethane	ND	1.06	--	ND	4.29	--		5.291
Methyl tert butyl ether	ND	1.06	--	ND	3.82	--		5.291
2-Butanone	ND	2.64	--	ND	7.79	--		5.291
cis-1,2-Dichloroethene	41.0	1.06	--	163	4.20	--		5.291



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-02 D
 Client ID: SVE INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:42
 Date Received: 07/17/19
 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								
Ethyl Acetate	ND	2.64	--	ND	9.51	--		5.291
Chloroform	2.44	1.06	--	11.9	5.18	--		5.291
Tetrahydrofuran	ND	2.64	--	ND	7.79	--		5.291
1,2-Dichloroethane	ND	1.06	--	ND	4.29	--		5.291
n-Hexane	ND	1.06	--	ND	3.74	--		5.291
1,1,1-Trichloroethane	ND	1.06	--	ND	5.78	--		5.291
Benzene	ND	1.06	--	ND	3.39	--		5.291
Carbon tetrachloride	ND	1.06	--	ND	6.67	--		5.291
Cyclohexane	ND	1.06	--	ND	3.65	--		5.291
1,2-Dichloropropane	ND	1.06	--	ND	4.90	--		5.291
Xylene (Total)	ND	1.06	--	ND	4.60	--		5.291
Bromodichloromethane	ND	1.06	--	ND	7.10	--		5.291
1,4-Dioxane	ND	1.06	--	ND	3.82	--		5.291
Trichloroethene	362	1.06	--	1950	5.70	--		5.291
2,2,4-Trimethylpentane	ND	1.06	--	ND	4.95	--		5.291
Heptane	ND	1.06	--	ND	4.34	--		5.291
cis-1,3-Dichloropropene	ND	1.06	--	ND	4.81	--		5.291
4-Methyl-2-pentanone	ND	2.64	--	ND	10.8	--		5.291
trans-1,3-Dichloropropene	ND	1.06	--	ND	4.81	--		5.291
1,1,2-Trichloroethane	ND	1.06	--	ND	5.78	--		5.291
Toluene	1.07	1.06	--	4.03	3.99	--		5.291
1,2-Dichloroethene (total)	41.0	1.06	--	163	4.20	--		5.291
2-Hexanone	ND	1.06	--	ND	4.34	--		5.291
Dibromochloromethane	ND	1.06	--	ND	9.03	--		5.291
1,3-Dichloropropene, Total	ND	1.06	--	ND	4.81	--		5.291
1,2-Dibromoethane	ND	1.06	--	ND	8.15	--		5.291



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-02 D
 Client ID: SVE INFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 14:42
 Date Received: 07/17/19
 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								
Tetrachloroethene	38.1	1.06	--	258	7.19	--		5.291
Chlorobenzene	ND	1.06	--	ND	4.88	--		5.291
Ethylbenzene	ND	1.06	--	ND	4.60	--		5.291
p/m-Xylene	ND	2.12	--	ND	9.21	--		5.291
Bromoform	ND	1.06	--	ND	11.0	--		5.291
Styrene	ND	1.06	--	ND	4.51	--		5.291
1,1,2,2-Tetrachloroethane	ND	1.06	--	ND	7.28	--		5.291
o-Xylene	ND	1.06	--	ND	4.60	--		5.291
4-Ethyltoluene	ND	1.06	--	ND	5.21	--		5.291
1,3,5-Trimethylbenzene	ND	1.06	--	ND	5.21	--		5.291
1,2,4-Trimethylbenzene	ND	1.06	--	ND	5.21	--		5.291
Benzyl chloride	ND	1.06	--	ND	5.49	--		5.291
1,3-Dichlorobenzene	ND	1.06	--	ND	6.37	--		5.291
1,4-Dichlorobenzene	ND	1.06	--	ND	6.37	--		5.291
1,2-Dichlorobenzene	ND	1.06	--	ND	6.37	--		5.291
1,2,4-Trichlorobenzene	ND	1.06	--	ND	7.87	--		5.291
Hexachlorobutadiene	ND	1.06	--	ND	11.3	--		5.291

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-03 D
 Client ID: TOTAL EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 15:09
 Date Received: 07/17/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 07/23/19 06:39
 Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.586	0.503	--	2.90	2.49	--		2.517
Chloromethane	ND	0.503	--	ND	1.04	--		2.517
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.503	--	ND	3.52	--		2.517
Vinyl chloride	ND	0.503	--	ND	1.29	--		2.517
1,3-Butadiene	ND	0.503	--	ND	1.11	--		2.517
Bromomethane	ND	0.503	--	ND	1.95	--		2.517
Chloroethane	ND	0.503	--	ND	1.33	--		2.517
Ethyl Alcohol	ND	12.6	--	ND	23.7	--		2.517
Vinyl bromide	ND	0.503	--	ND	2.20	--		2.517
Acetone	3.64	2.52	--	8.65	5.99	--		2.517
Trichlorofluoromethane	ND	0.503	--	ND	2.83	--		2.517
iso-Propyl Alcohol	ND	1.26	--	ND	3.10	--		2.517
1,1-Dichloroethene	ND	0.503	--	ND	1.99	--		2.517
tert-Butyl Alcohol	ND	1.26	--	ND	3.82	--		2.517
Methylene chloride	ND	1.26	--	ND	4.38	--		2.517
3-Chloropropene	ND	0.503	--	ND	1.57	--		2.517
Carbon disulfide	ND	0.503	--	ND	1.57	--		2.517
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.503	--	ND	3.86	--		2.517
trans-1,2-Dichloroethene	ND	0.503	--	ND	1.99	--		2.517
1,1-Dichloroethane	ND	0.503	--	ND	2.04	--		2.517
Methyl tert butyl ether	ND	0.503	--	ND	1.81	--		2.517
2-Butanone	ND	1.26	--	ND	3.72	--		2.517
cis-1,2-Dichloroethene	1.35	0.503	--	5.35	1.99	--		2.517



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-03 D
 Client ID: TOTAL EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 15:09
 Date Received: 07/17/19
 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								
Ethyl Acetate	ND	1.26	--	ND	4.54	--		2.517
Chloroform	ND	0.503	--	ND	2.46	--		2.517
Tetrahydrofuran	1.86	1.26	--	5.49	3.72	--		2.517
1,2-Dichloroethane	ND	0.503	--	ND	2.04	--		2.517
n-Hexane	ND	0.503	--	ND	1.77	--		2.517
1,1,1-Trichloroethane	ND	0.503	--	ND	2.74	--		2.517
Benzene	ND	0.503	--	ND	1.61	--		2.517
Carbon tetrachloride	ND	0.503	--	ND	3.16	--		2.517
Cyclohexane	ND	0.503	--	ND	1.73	--		2.517
1,2-Dichloropropane	ND	0.503	--	ND	2.32	--		2.517
Xylene (Total)	ND	0.503	--	ND	2.18	--		2.517
Bromodichloromethane	ND	0.503	--	ND	3.37	--		2.517
1,4-Dioxane	ND	0.503	--	ND	1.81	--		2.517
Trichloroethene	ND	0.503	--	ND	2.70	--		2.517
2,2,4-Trimethylpentane	ND	0.503	--	ND	2.35	--		2.517
Heptane	ND	0.503	--	ND	2.06	--		2.517
cis-1,3-Dichloropropene	ND	0.503	--	ND	2.28	--		2.517
4-Methyl-2-pentanone	ND	1.26	--	ND	5.16	--		2.517
trans-1,3-Dichloropropene	ND	0.503	--	ND	2.28	--		2.517
1,1,2-Trichloroethane	ND	0.503	--	ND	2.74	--		2.517
Toluene	ND	0.503	--	ND	1.90	--		2.517
1,2-Dichloroethene (total)	1.35	0.503	--	5.35	1.99	--		2.517
2-Hexanone	ND	0.503	--	ND	2.06	--		2.517
Dibromochloromethane	ND	0.503	--	ND	4.29	--		2.517
1,3-Dichloropropene, Total	ND	0.503	--	ND	2.28	--		2.517
1,2-Dibromoethane	ND	0.503	--	ND	3.87	--		2.517



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

SAMPLE RESULTS

Lab ID: L1931370-03 D
 Client ID: TOTAL EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 07/13/19 15:09
 Date Received: 07/17/19
 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								
Tetrachloroethene	ND	0.503	--	ND	3.41	--		2.517
Chlorobenzene	ND	0.503	--	ND	2.32	--		2.517
Ethylbenzene	ND	0.503	--	ND	2.18	--		2.517
p/m-Xylene	ND	1.01	--	ND	4.39	--		2.517
Bromoform	ND	0.503	--	ND	5.20	--		2.517
Styrene	ND	0.503	--	ND	2.14	--		2.517
1,1,2,2-Tetrachloroethane	ND	0.503	--	ND	3.45	--		2.517
o-Xylene	ND	0.503	--	ND	2.18	--		2.517
4-Ethyltoluene	ND	0.503	--	ND	2.47	--		2.517
1,3,5-Trimethylbenzene	ND	0.503	--	ND	2.47	--		2.517
1,2,4-Trimethylbenzene	ND	0.503	--	ND	2.47	--		2.517
Benzyl chloride	ND	0.503	--	ND	2.60	--		2.517
1,3-Dichlorobenzene	ND	0.503	--	ND	3.02	--		2.517
1,4-Dichlorobenzene	ND	0.503	--	ND	3.02	--		2.517
1,2-Dichlorobenzene	ND	0.503	--	ND	3.02	--		2.517
1,2,4-Trichlorobenzene	ND	0.503	--	ND	3.73	--		2.517
Hexachlorobutadiene	ND	0.503	--	ND	5.37	--		2.517

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	108		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/19 14:43

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1262915-4								
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
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	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
iso-Propyl Alcohol	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
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/19 14:43

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1262915-4								
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
1,1,2-Trichloro-1,2,2-Trifluoroethane	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
Xylene (Total)	ND	0.200	--	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
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/19 14:43

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1262915-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
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



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/19 14:43

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1262915-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-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 (C10)	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



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 07/22/19 14:43

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG1262915-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	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



Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262915-3								
Chlorodifluoromethane	112		-		70-130	-		
Propylene	116		-		70-130	-		
Propane	112		-		70-130	-		
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	113		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	107		-		70-130	-		
Methanol	145	Q	-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	125		-		70-130	-		
Butane	98		-		70-130	-		
Bromomethane	101		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	126		-		40-160	-		
Dichlorofluoromethane	100		-		70-130	-		
Vinyl bromide	99		-		70-130	-		
Acrolein	106		-		70-130	-		
Acetone	87		-		40-160	-		
Acetonitrile	102		-		70-130	-		
Trichlorofluoromethane	106		-		70-130	-		
iso-Propyl Alcohol	90		-		40-160	-		
Acrylonitrile	108		-		70-130	-		
Pentane	91		-		70-130	-		
Ethyl ether	99		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262915-3								
1,1-Dichloroethene	110		-		70-130	-		
tert-Butyl Alcohol	110		-		70-130	-		
Methylene chloride	131	Q	-		70-130	-		
3-Chloropropene	110		-		70-130	-		
Carbon disulfide	105		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	106		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
Vinyl acetate	97		-		70-130	-		
2-Butanone	89		-		70-130	-		
cis-1,2-Dichloroethene	91		-		70-130	-		
Ethyl Acetate	98		-		70-130	-		
Chloroform	95		-		70-130	-		
Tetrahydrofuran	104		-		70-130	-		
2,2-Dichloropropane	86		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	86		-		70-130	-		
Isopropyl Ether	75		-		70-130	-		
Ethyl-Tert-Butyl-Ether	90		-		70-130	-		
1,2-Dichloroethene (total)	96		-			-		
1,2-Dichloroethene (total)	96		-			-		
1,1,1-Trichloroethane	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262915-3								
1,1-Dichloropropene	97		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	101		-		70-130	-		
Tertiary-Amyl Methyl Ether	94		-		70-130	-		
Dibromomethane	95		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	103		-		70-130	-		
1,4-Dioxane	99		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	103		-		70-130	-		
Methyl Methacrylate	73		-		40-160	-		
Heptane	106		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	109		-		70-130	-		
trans-1,3-Dichloropropene	98		-		70-130	-		
1,1,2-Trichloroethane	107		-		70-130	-		
Toluene	86		-		70-130	-		
1,3-Dichloropropane	83		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	87		-		70-130	-		
Butyl Acetate	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262915-3								
Octane	80		-		70-130	-		
Tetrachloroethene	86		-		70-130	-		
1,1,1,2-Tetrachloroethane	87		-		70-130	-		
Chlorobenzene	91		-		70-130	-		
Ethylbenzene	94		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	108		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	96		-		70-130	-		
1,2,3-Trichloropropane	89		-		70-130	-		
Nonane (C9)	93		-		70-130	-		
Isopropylbenzene	89		-		70-130	-		
Bromobenzene	89		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	87		-		70-130	-		
p-Chlorotoluene	84		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
tert-Butylbenzene	86		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG1262915-3								
1,3-Dichlorobenzene	86		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	83		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
n-Butylbenzene	96		-		70-130	-		
1,2-Dibromo-3-chloropropane	91		-		70-130	-		
Undecane	93		-		70-130	-		
Dodecane (C12)	92		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Naphthalene	77		-		70-130	-		
1,2,3-Trichlorobenzene	82		-		70-130	-		
Hexachlorobutadiene	89		-		70-130	-		

Project Name: OZONE

Serial_No:07231916:58
Lab Number: L1931370

Project Number:

Report Date: 07/23/19

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
L1931370-01	SSD INFLUENT	0887	SV200	07/11/19	296587		-	-	-	Pass	209	191	9
L1931370-01	SSD INFLUENT	493	1.0L Can	07/11/19	296587	L1929166-02	Pass	-29.5	-4.2	-	-	-	-
L1931370-02	SVE INFLUENT	01233	SV200	07/11/19	296587		-	-	-	Pass	214	196	9
L1931370-02	SVE INFLUENT	1512	1.0L Can	07/11/19	296587	L1929166-02	Pass	-29.3	-5.7	-	-	-	-
L1931370-03	TOTAL EFFLUENT	0664	SV200	07/11/19	296587		-	-	-	Pass	212	207	2
L1931370-03	TOTAL EFFLUENT	828	1.0L Can	07/11/19	296587	L1929166-02	Pass	-28.0	-5.6	-	-	-	-

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

Lab Number: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 07/06/19 17:27
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: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
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: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
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:** L1929166**Project Number:** CANISTER QC BAT**Report Date:** 07/23/19**Air Canister Certification Results**

Lab ID: L1929166-02

Date Collected: 07/02/19 16:00

Client ID: CAN 2089 SHELF 8

Date Received: 07/03/19

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	78		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	80		60-140



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

Lab Number: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 07/06/19 17:27
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1929166
Report Date: 07/23/19

Air Canister Certification Results

Lab ID: L1929166-02
Client ID: CAN 2089 SHELF 8
Sample Location:

Date Collected: 07/02/19 16:00
Date Received: 07/03/19
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								
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	85		60-140
bromochloromethane	114		60-140
chlorobenzene-d5	87		60-140



Project Name: OZONE**Lab Number:** L1931370**Project Number:** Not Specified**Report Date:** 07/23/19**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(*)
L1931370-01A	Canister - 1 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1931370-02A	Canister - 1 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1931370-03A	Canister - 1 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

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: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

- 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.

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.

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 Condensation Product".
- 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.
- 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 Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name: OZONE
Project Number: Not Specified

Lab Number: L1931370
Report Date: 07/23/19

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 12

Published Date: 10/9/2018 4:58:19 PM

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Certification Information

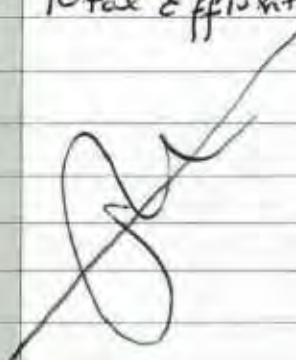
The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-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**

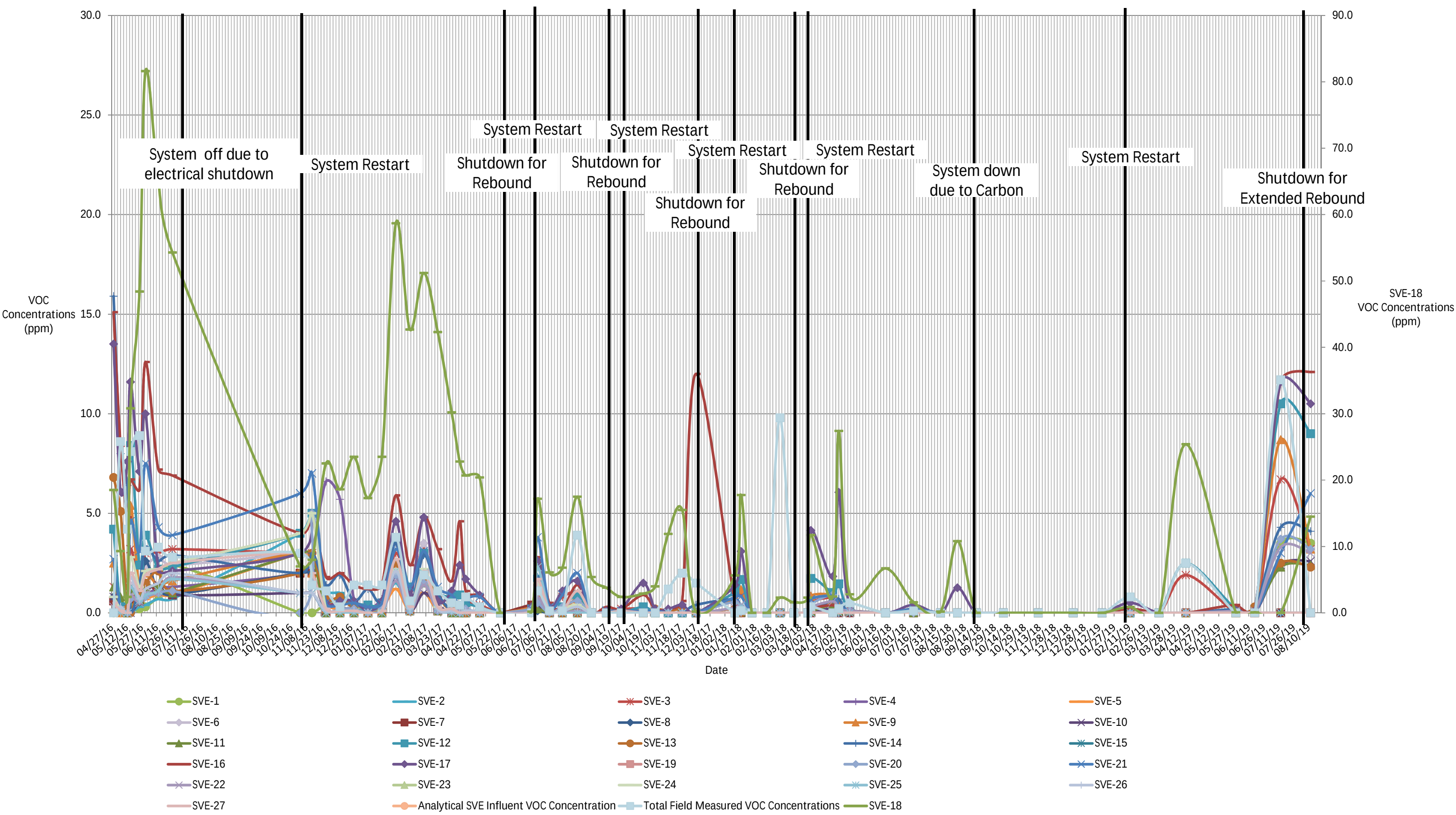
For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 AIR ANALYSIS CHAIN OF CUSTODY		PAGE 1 OF 1																
320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		Date Rec'd in Lab: <u>7/8/19</u>																
Client Information Client: <u>AECOM</u> Address: <u>250 Apollo Drive</u> <u>Chelmsford, MA 01824</u> Phone: <u>978 434 6077</u> Fax: _____ Email: <u>Raimundo.matos@aecom.com</u>		Project Information Project Name: <u>Ozone</u> Project Location: <u>Ozone Park, NY</u> Project #: <u>60527976.11</u> Project Manager: <u>Raimundo</u> ALPHA Quote #: _____																
Turn-Around Time ☒ Standard ☐ RUSH (only confirmed if pre-approved)		Report Information - Data Deliverables ☐ FAX ☒ ADEX Criteria Checker: <u>EDD</u> (Default based on Regulatory Criteria Indicated) Other Formats: _____ ☒ EMAIL (standard pdf report) ☐ Additional Deliverables: _____ Report to: (if different than Project Manager) <u>matos, Raimundo</u>																
Other Project Specific Requirements/Comments: Project-Specific Target Compound List: ☐		Billing Information ☒ Same as Client info PO #: _____																
		Regulatory Requirements/Report Limits State/Fed: <u>NY</u> Program: <u>State Q/A</u> Res / Comm: _____																
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 Subtract Non-exhaustible HCs Fixed Gases Sulfides & Mercaptans by TO-15					Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum												
31370.01	SSD Influent	7/13/19	14:20	14:24	-24.35	-3.57	SVE/SSDs	Jen 12	493	0887	X							
.02	SVE Influent	7/13/19	14:38	14:42	-29.30	-4.98	"	Jen 12	1512	01233	X							
.03	Total Effluent	7/13/19	15:05	15:09	-28.33	-4.18	"	Jen 12	828	0664	X							
																		
*SAMPLE MATRIX CODES AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify		Relinquished By: <u>Matos</u> <u>Bruce V. [Signature]</u> <u>7/16/19 0525</u>		Date/Time: <u>7/16/19 4:25 PM</u> <u>7/16/19 10:25</u>		Received By: <u>Ken [Signature]</u> <u>Ken [Signature]</u>		Date/Time: <u>7/17/19 10:17</u> <u>7/17/19 10:25</u> <u>7/18/19 0525</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.								

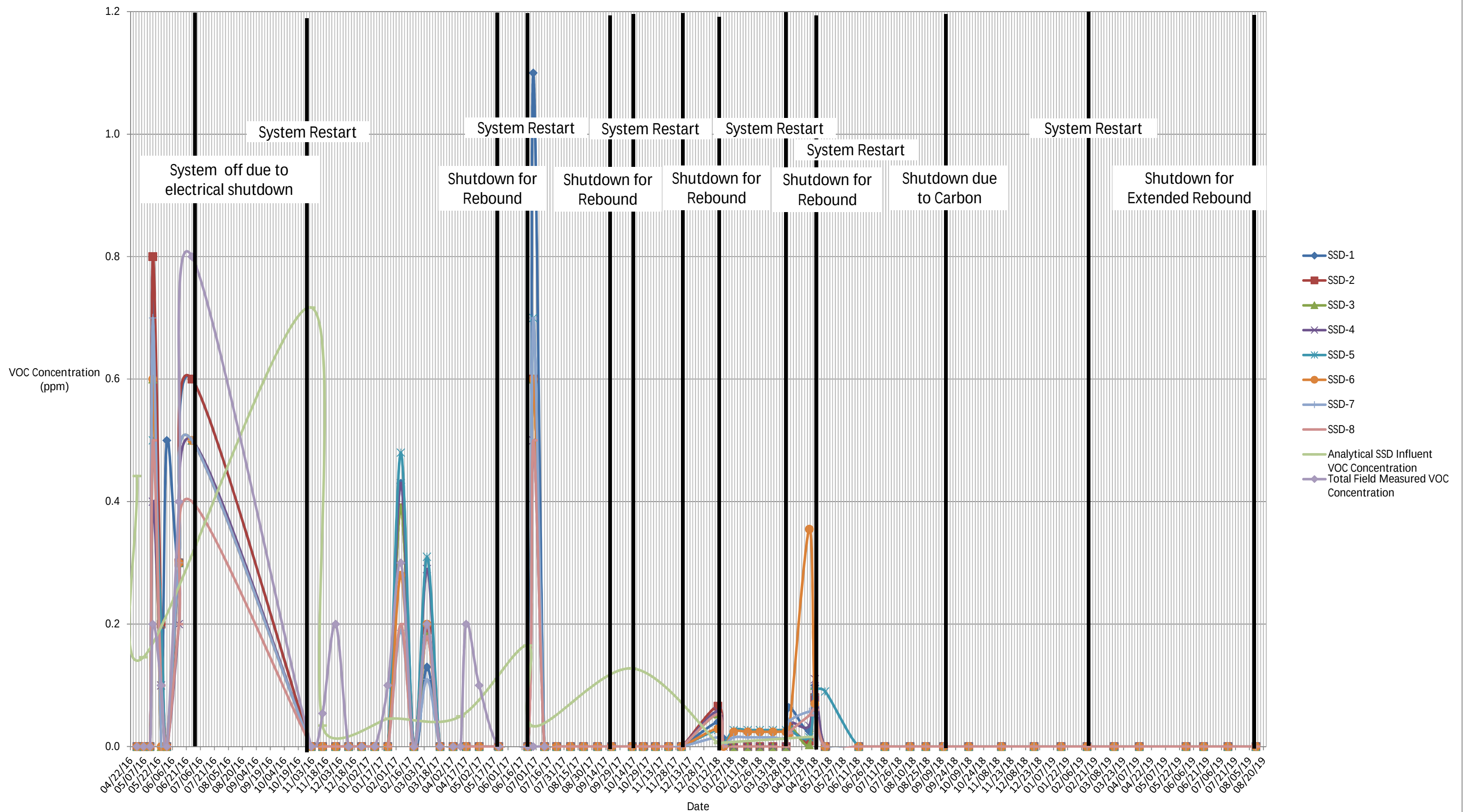
Appendix C

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

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



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



Appendix D

Groundwater, Soil Gas (Onsite and Offsite) and Ambient Air Sampling Forms

Low Flow Ground Water Sample Collection Record

Client: Erdzone, Inc. Date: 5.22.19 Time: Start 0845 am/pm
 Project No: 60527976.10 Finish 0950 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny Collector(s): JKH

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

a. Total Well Length 44.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 24.29 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 MPS

08D101029

Geotech

Turbidimeter

17111545

Heron

Dipper-7

1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0910	1	16.33	7.81	1119	6.68	77.6	10.6	200	24.29	clear/None
0915	2	16.38	7.84	1123	6.47	77.0	10.1	200	24.29	" "
0920	3	16.44	7.83	1126	6.40	77.6	9.54	200	24.29	" "
0925	4	16.35	7.84	1129	6.38	78.7	6.88	200	24.29	" "
0930	5	16.57	7.84	1126	6.30	79.3	7.41	200	24.29	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method:

Grab

Sample ID MW-203-GWA8-052219 Container Type 40ml VOA No. of Containers 3 Preservation HC Analysis Req. VOC Time 0935

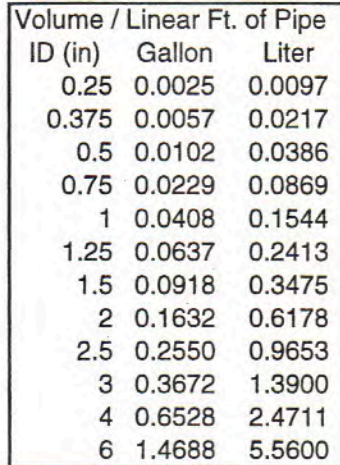
Comments

Signature

[Signature]

Date

5/22/19

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. Date: 5-22-19 Time: Start 0745 am/pm
 Project No: 60527976-10 Finish 0830 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 60's Collector(s): JKH

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

a. Total Well Length 41.55 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 25.18 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 MPS

08 D 101029

Geotech

Turbidimeter

17111545

Heron

Dipper-T

1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0755	1	15.82	7.50	1077	5.34	91.7	1.83	200	25.18	Clean/none
0800	2	15.89	7.24	1087	4.83	97.5	2.03	200	25.18	" "
0805	3	15.93	7.19	1089	4.84	100.1	1.79	200	25.18	" "
0810	4	15.94	7.16	1086	4.78	102.0	1.64	200	25.18	" "
0815	5	15.94	7.15	1087	4.78	103.1	1.21	200	25.18	" "

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

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirements

(continued on back)

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-10-GWA8-052219 Container Type 40ml VOA No. of Containers 3 Preservation HCCL Analysis Req. VOC Time 0820

Comments _____

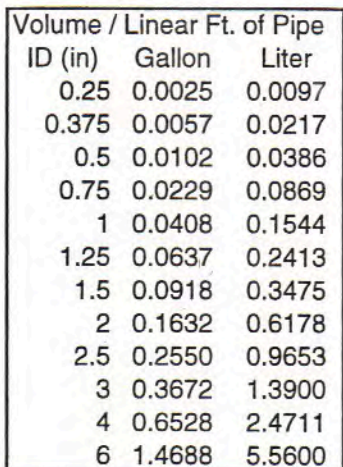
Signature

Jeff Hershman

Date

5-22-19

AECOM

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. Date: 5.21.19 Time: Start 1405 am/pm
 Project No: 60527976.10 Finish _____ am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 60's, Windy Collector(s): JKH

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

a. Total Well Length 35.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 25.70 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 MPS

08D101029

Geotek

Turbidimeter

17111545

Heron

Dipper-T

1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1410	1	17.32	7.47	803	5.91	67.5	8.20	200	25.72	Clear/None
1415	2	17.52	7.13	812	5.05	74.3	4.80	200	25.72	" "
1420	3	17.51	7.03	811	4.90	78.6	3.18	200	25.72	" "
1425	4	17.24	6.96	809	4.91	83.6	2.41	200	25.72	" "
1430	5	17.49	6.92	810	4.75	86.6	1.48	200	25.72	" "
1435	6	17.44	6.91	810	4.86	88.1	2.06	200	25.72	" "

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

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. Requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-09-GWAB-052119 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 1440

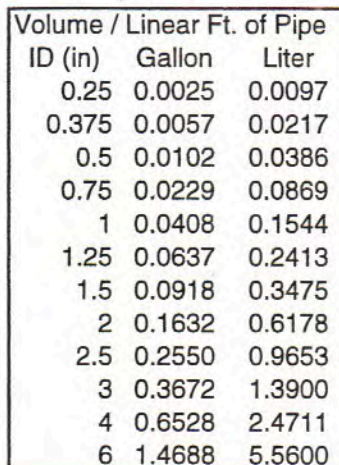
Comments _____

Signature

[Signature]

Date

5.21.19

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Erdzone, Inc. Date: 5-21-19 Time: Start 1240 am/pm
 Project No: 60527976.10 Finish 1400 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 60's, windy Collector(s): JKH

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

a. Total Well Length 42.6 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 26.37 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make Model Serial Number
YSI 556 MPS 00D101029
Geotech Turbidimeter 17111545
Heron Dipper-T 1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (μ S/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1300	1	16.75	7.83	1109	6.16	59.2	63.9	200	26.38	clear None
1305	2	16.78	7.71	1111	5.95	60.6	50.7	200	26.38	" "
1310	3	16.79	7.57	1106	6.11	65.9	37.9	200	26.38	" "
1315	4	16.84	7.52	1105	6.02	69.7	26.7	200	26.38	" "
1320	5	16.74	7.47	1102	6.38	73.1	15.9	200	26.38	" "
1325	6	16.77	7.45	1100	6.20	75.0	10.5	200	26.38	" "
1330	7	16.75	7.43	1098	6.19	77.1	6.12	200	26.38	" "

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

Has required volume been removed ☐ ☐ ☒
 Has required turbidity been reached ☐ ☐ ☐
 Have parameters stabilized ☐ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID Container Type No. of Containers Preservation Analysis Req. Time
PZ-08-6WAB-052119 40ml/NOA 3 HCL VOC 1350

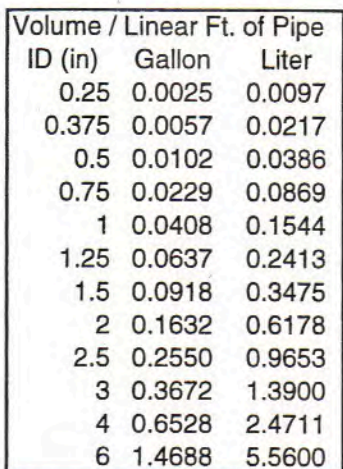
Comments _____

Signature

Jeff Harshin

Date

5/21/19

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. Date: 5-21-19 Time: Start 1100 am/pm
 Project No: 60527976.10 Finish 1200 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 60, windy Collector(s): JKH

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

a. Total Well Length 48.38 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 27.61 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.
 b. Acceptance Criteria defined (see workplan)
 - Temperature 3% -D.O. 10% or <0.5 mg/L -Turbidity <10 NTU or 10%
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make	Model	Serial Number
YSI	556 MRS	08D101029
Geotech	Turbidimeter	17111545
Heron	Dipper-T	1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1110	1	16.56	7.19	972	4.80	108.8	3.54	200	27.62	clear/NONE
1115	2	16.65	7.39	1005	5.16	101.2	3.20	200	27.62	" "
1120	3	16.64	7.50	1010	4.80	97.1	3.39	200	27.62	" "
1125	4	16.65	7.57	1016	5.84	92.6	2.80	200	27.62	" "
1130	5	16.64	7.63	1023	6.39	91.8	3.45	200	27.62	" "
1135	6	16.65	7.68	1027	6.54	91.0	4.11	200	27.62	" "
1140	7	16.65	7.71	1028	6.52	90.6	4.48	200	27.62	" "

d. Acceptance criteria pass/fail

	Yes	No	N/A
Has required volume been removed	☐	☐	☒
Has required turbidity been reached	☒	☐	☐
Have parameters stabilized	☒	☐	☐

If no or N/A - Explain below.

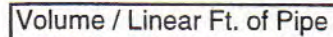
NO vol. requirements

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
P2-01D-GWA8-052119	40 ml VOA	3	ACU	VOC	1145

Comments _____

Signature Jeff Harker Date 5/21/19



(continued from front)

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. Date: 5-21-19 Time: Start 0930 am/pm
 Project No: 60527976.10 Finish 1100 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 60's, windy Collector(s): JKH

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

a. Total Well Length 40.28 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 27.78 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low via via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 mps

08D101029

Geotech

Turbidimeter

17111545

Heron

Dipper-T

1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0955	1	16.50	7.14	815	7.10	78.3	16.2	150	25.78	clear/None
1000	1.75	16.48	6.93	816	7.18	89.7	18.3	150	25.78	" "
1005	2.50	16.48	6.75	825	7.01	102.4	16.9	150	25.78	" "
1010	3.25	16.42	6.68	839	7.00	110.2	13.2	150	25.78	" "
1015	4	16.50	6.65	852	7.00	114.7	10.08	150	25.78	" "
1020	4.75	16.55	6.61	869	7.01	119.1	9.16	150	25.78	" "
1025	5.50	16.49	6.58	880	7.00	121.9	5.54	150	25.78	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

no vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-01-GWAB-052119 Container Type 40ml VOA (9) Preservation HCL Analysis Req. vac Time 1045

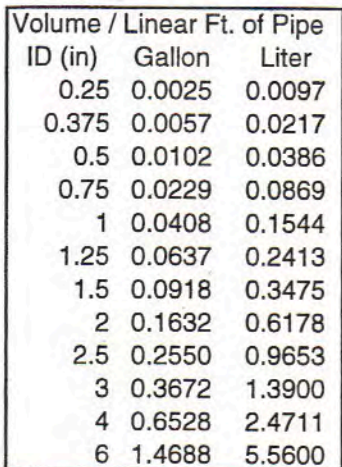
Comments Collect MS/MSD samples here

Signature

J. Harshman

Date

5/21/19

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. Date: 5-21-19 Time: Start 0800 am/pm
 Project No: 60527976.10 Finish 0915 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sun + clouds, 60's Collector(s): JKH

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

a. Total Well Length 75.00 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 25-35 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI 556

MPS

08D101029

Geotech

Turbidimeter

1711545

Heron

Dipper-T

1317-1

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0825	1	16.09	7.75	843	6.32	60.8	15.7	45	25.35	Clear/NONE
0830	1.75	16.05	7.73	845	6.08	64.4	10.3	150	25.35	" "
0835	2.5	16.05	7.72	847	5.93	68.0	10.8	150	25.35	" "
0840	3.25	16.14	7.71	846	5.97	70.9	11.0	150	25.35	" "
0845	4	16.14	7.71	847	5.85	72.5	11.3	150	25.35	" "

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

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>MW-201D-GWAB-052119 (3) 40ml VOA HCL</u>				<u>VOC</u>	<u>0850</u>
<u>MW-201D-GWBB-052119 (3) 40ml VOA</u>			<u>HCL</u>	<u>VOC</u>	<u>0855</u>

Comments

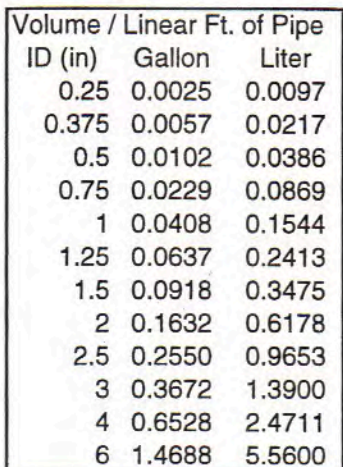
Duplicate sample collected

Signature

JKH

Date

5/21/19

[illegible]

Project Name:	Sample Location: LOC-27B
Recorded By: JKH	Date: 5.23.19
Client: Endzone, Inc, Ozone Park, Queens	Ambient Temp: 60's °F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-27B-SG-052319	Sample ID:
Regulator ID: 0365	Regulator ID:
Canister ID: 1612	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.22	Sample Start Time:
Sample Start Time: 0847	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.75	Sample Check Time:
Sample Check Time: 0947	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -4.64	Sample End Time:
Sample End Time: 1047	Final Differential Pressure:
Notes	
P10 after 5 min purge = 14.5 ppm	

Project Name:	Sample Location: LOC-25
Recorded By: JKH	Date: 5.23.19
Client: Endzone, Inc., Ozone Park, Queens	Ambient Temp: 60°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-25-SG-052319	Sample ID:
Regulator ID: 0289	Regulator ID:
Canister ID: 2271	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.22	Sample Start Time:
Sample Start Time: 0837	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.37	Sample Check Time:
Sample Check Time: 0937	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -3.56	Sample End Time:
Sample End Time: 1037	Final Differential Pressure:
Notes	
P 10 after 5 min purge = 11.8 ppm	

Project Name:	Sample Location: LOC-22
Recorded By: Jkt	Date: 5.23.19
Client: Endzone, Inc - Ozone Park, Queens	Ambient Temp: 60°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-22-SG-052319	Sample ID:
Regulator ID: 0778	Regulator ID:
Canister ID: 2440	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.06	Sample Start Time:
Sample Start Time: 0826	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.45	Sample Check Time:
Sample Check Time: 0926	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -5.86	Sample End Time:
Sample End Time: 1026	Final Differential Pressure:
Notes	
P10 after 5 min purge: 7.8 ppm	

Project Name:	Sample Location: LOC-28
Recorded By: JkH	Date: 5.22.19
Client: Endzone - Ozone Park, Queens	Ambient Temp: 70°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-28-SG-052219	Sample ID:
Regulator ID: 0798	Regulator ID:
Canister ID: 2441	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.02	Sample Start Time:
Sample Start Time: 1229	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -19.03	Sample Check Time:
Sample Check Time: 1327	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.47	Sample End Time:
Sample End Time: 1429	Final Differential Pressure:
Notes	
PID reading after 5 min purge: 1.6ppm	

Project Name:	Sample Location: LOC-26
Recorded By: JKH	Date: 5-22-19
Client: Endzone - Ozone Park, Queens	Ambient Temp: 70°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-26-SG-052219	Sample ID:
Regulator ID: 0404	Regulator ID:
Canister ID: 1644	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.48	Sample Start Time:
Sample Start Time: 1217	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -18.43	Sample Check Time:
Sample Check Time: 1317	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.06	Sample End Time:
Sample End Time: 1417	Final Differential Pressure:

Notes

P10 reading after 5 min purge: 7.2 ppm

Project Name:	Sample Location: LOC-24
Recorded By: JKH	Date: 5-22-19
Client: Endzone - Ozone Park, Queens	Ambient Temp: 70°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-24-SG-052219	Sample ID:
Regulator ID: 0130	Regulator ID:
Canister ID: 2956	Canister ID:
Purge Flow Rate: ~~2000 cc/min~~ 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.08	Sample Start Time:
Sample Start Time: 1203	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.03	Sample Check Time:
Sample Check Time: 1304	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -4.75	Sample End Time:
Sample End Time: 1403	Final Differential Pressure:

Notes

P10 reading after 5 min purge: 4469 ppm

Note: this reading may have been effected by moisture in soil vapor tubing - P10 reading off Gil Air pump while purging was ~ 5-10 ppm....

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. (Ozone) Date: 8.21.19 Time: Start 0955 am/pm
 Project No: 60527976.10 Finish _____ am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, humid 80's Collector(s): J. Harshman

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

a. Total Well Length 41.55 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 25.30 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 MPS

05A2287

Geotech

Turbidity

1711524

Heron

Dipper T

09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1005	0.5	20.03	6.89	927	5.05	144.9	1.04	100	25.30	clear / NONE
1010	1	20.46	6.85	940	4.51	144.9	3.50	100	25.30	" "
1015	1.5	20.12	6.89	953	5.13	142.0	2.21	100	25.30	" "
1020	2	20.24	6.92	962	6.06	139.8	3.16	100	25.30	" "
1025	2.5	20.18	6.93	970	5.92	138.3	3.06	100	25.30	" "
1030	3	20.28	6.94	973	5.98	137.4	2.91	100	25.30	" "
				<u>stable</u>						

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

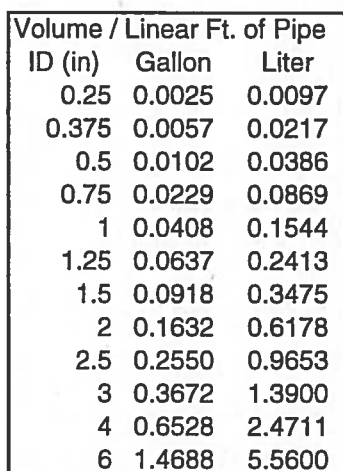
Sample ID P2-10-GW49-082119 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 1035

Comments _____

Signature _____

Date 8/21/19

AECOM

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. (OZONE) Date: 8.21.19 Time: Start 0900 am/pm
 Project No: 6052976.10 Finish 0945 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: sun/clouds, humid, 80's Collector(s): J. Harshman

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

a. Total Well Length 35.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 25.83 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 mps

0542287

Geotech

Turbidimeter

1711524

Heron

Dipper T

09508

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (μ S/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0910	0.5	20.01	6.82	639	8.42	128.3	0.59	100	25.83	Clear/NONE
0915	1	20.01	6.78	631	7.80	124.4	1.01	100	25.83	" "
0920	1.5	19.52	6.79	631	5.43	120.7	0.14	100	25.83	" "
0925	2	19.51	6.77	628	5.65	119.2	0.27	100	25.83	" "
0930	2.5	19.49	6.78	631	5.54	117.7	0.04	100	25.83	" "
				stable						

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

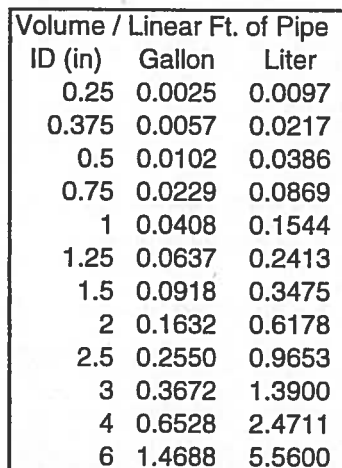
Sample ID P2-09-6WA9-082119 Container Type 40ml VOA No. of Containers 3 Preservation Hel Analysis Req. VOL Time 0935

Comments _____

Signature _____

Date 8.21.19

AECOM



Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Endzone, Inc. (Ozone) Date: 8.21.19 Time: Start 0745 am/pm
 Project No: 60527976.10 Finish 0850 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: cloudy, v. humid, 80's Collector(s): J. Harshman

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

a. Total Well Length 42.60 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 26.48 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

556 MPS

0542287

Geotech

Turbidimeter

1711524

Heron

Dipper T

09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0805	0.5	19.33	6.60	1115	8.01	103.1	7.45	100	26.48	Clear/None
0810	1	19.14	6.79	1104	7.66	93.2	7.03	100	26.48	" "
0815	1.5	18.99	7.01	1086	8.15	78.6	6.31	100	26.48	" "
0820	2	18.84	6.92	1072	6.26	82.1	4.76	100	26.48	" "
0825	2.5	18.85	7.05	1061	6.45	73.4	2.50	100	26.48	" "
0830	3	18.63	7.19	1057	7.65	68.0	1.28	100	26.48	" "
0835	3.5	18.80	7.20	1056	7.67	67.9	1.38	100	26.48	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. requirements

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-08-GWA9-082119 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 0840

Comments _____

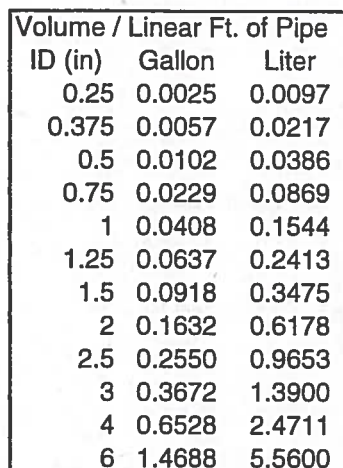
Signature

Jeff Harshman

Date

8.21.19

AECOM

[illegible]

Low Flow Ground Water Sample Collection Record

ent: Ozone - Aug. 2019 Date: 8.20.19 Time: Start 1130 am/pm
 Project No: 60527976.10 Finish 1220 am/pm
 Site Location: Ozone park, Queens
 Weather Conds: Sunny, humid, 90°F Collector(s): J. Harshman

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

a. Total Well Length 40.28 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 27.85 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI 556

MPS

05A2287

Geotech

Turbidimeter

17111524

Heron

Dipper T

09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (μ S/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1140	0.5	19.81	6.26	1733	9.83	196.7	1.57	100	27.88	clear / none
1145	1	19.58	6.24	1715	8.85	194.1	1.55	100	27.88	" "
1150	1.5	19.72	6.25	1704	8.59	192.8	1.54	100	27.88	" "
1155	2	19.79	6.25	1692	8.40	189.6	1.49	100	27.88	" "
1200	2.5	19.81	6.25	1686	8.33	188.7	0.58	100	27.88	" "
				<u>Stable</u>						

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

no vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-01-GWA9-082019 Container Type 40ml VOA No. of Containers 89 Preservation HCL Analysis Req. VOC Time 1200

Comments

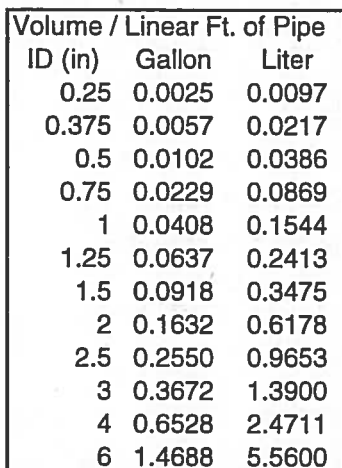
MS/MSD samples collected

Signature

J. Harshman

Date

8/20/19

[illegible]

Low Flow Ground Water Sample Collection Record

Event: Ozone - Aug. 2019 Date: 8.20.19 Time: Start 1030 am/pm
 Project No: 605 27976.10 Finish 1130 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, hot, humid, 90° Collector(s): J. Harshman

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

a. Total Well Length 48.38 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 27.70 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.
 b. Acceptance Criteria defined (see workplan)
 - Temperature 3% -D.O. 10% or <0.5 mg/L -Turbidity <10 NTU or 10%
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make Model Serial Number
YSI 556 MP5 0542287
Geotach Turbidimeter 1711524
Heron Dipper T 09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1050	0.5	19.28	7.16	927	8.15	182.2	9.04	100	27.73	clear / none
1055	1	19.30	7.20	930	6.77	181.9	2.66	100	27.73	" "
1100	1.5	19.54	7.46	935	6.47	168.9	4.66	100	27.73	" "
1105	2	19.44	7.30	937	6.45	178.3	4.31	100	27.73	" "
1110	2.5	19.11	7.47	945	6.64	169.2	3.75	100	27.73	" "
1115	3	19.16	7.46	952	6.49	171.3	4.38	100	27.73	" "
1120	3.5	19.07	7.63	957	6.47	163.9	3.57	100	27.73	" "

d. Acceptance criteria pass/fail

Yes No N/A
 Has required volume been removed ☐ ☐ ☒
 Has required turbidity been reached ☒ ☐ ☐
 Have parameters stabilized ☒ ☐ ☐

(continued on back)

If no or N/A - Explain below.

no vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID Container Type No. of Containers Preservation Analysis Req. Time
PZ-01D-GWA9-082019 40ml VOA 3 HCL VOC 1120

Comments _____

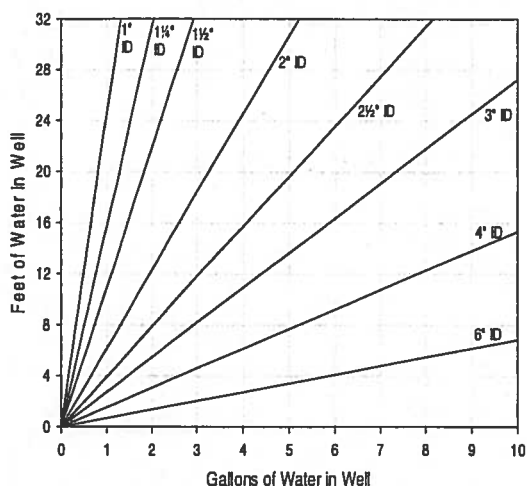
Signature

Jeff Harshman

Date

8/20/19

A³COM



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

Volume

[illegible]

Low Flow Ground Water Sample Collection Record

ent: OZONE - Aug. 2019 Date: 8.20.19 Time: Start 0915 am/pm
 Project No: 60537976.10 Finish 1010 am/pm
 Site Location: Ozone Park - Queens
 Weather Conds: Sunny, 80's, humid Collector(s): J. Harshman

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

a. Total Well Length 75.00 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 25.45 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: LOW Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YST 556
Geotech
Harmon

MPS
Turbidity
Dipper T

05A2287
17111524
09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0925	0.5	19.20	7.43	866	6.78	140.8	10.2	100	25.45	Clear/None
0930	1	19.00	7.45	810	5.67	135.4	7.93	100	25.45	" "
0935	1.5	18.93	7.51	805	5.14	129.8	9.11	100	25.45	" "
0940	2	19.06	7.54	808	4.93	126.5	5.69	100	25.45	" "
0945	2.5	18.59	7.53	806	4.97	126.0	6.88	100	25.45	" "
				Stable						

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab - collect DUP

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
<u>MW-201D-GWA9-082019</u>	<u>40ml VOA</u>	<u>3</u>	<u>HCL</u>	<u>VOC</u>	<u>0950</u>
<u>MW-201D-GWB9-082019</u>	<u>40ml VOA</u>	<u>3</u>	<u>HCL</u>	<u>VOC</u>	<u>0955</u>

Comments

DUPLICATE SAMPLES COLLECTED

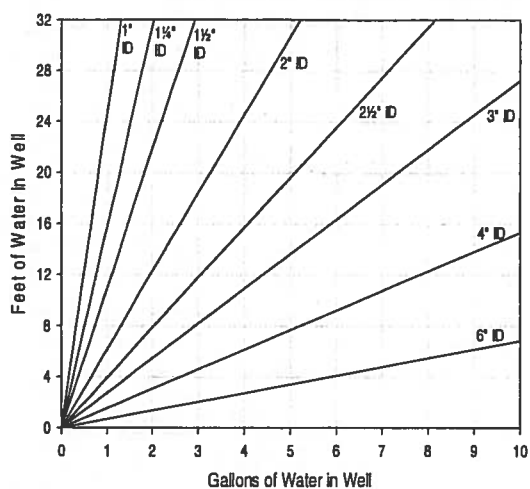
Signature

J. Harshman

Date

8/20/19

AECOM



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Event: Ozone - Aug. 2019 Date: 8.20.19 Time: Start 0800 am/pm
 Project No: 60527976.10 Finish 0915 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sunny, 90's Collector(s): J. Harshman

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

a. Total Well Length 33.85 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 25.33 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.
 b. Acceptance Criteria defined (see workplan)
 - Temperature 3% -D.O. 10% or <0.5 mg/L -Turbidity <10 NTU or 10%
 - pH ± 0.1 unit - ORP ± 10 mV
 - Sp. Cond. 3% - Drawdown < 0.3'

c. Field Testing Equipment used:

Make Model Serial Number
YSI 556 MPS 05A2287
Geotech Turbidimeter 1711524
Heron Dipper T 09588

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0820	0.5	18.63	6.13	456	9.66	120.9	1.09	100	25.35	Clear/NONE
0825	1	18.28	4.97	443	8.13	129.1	2.26	100	25.35	" "
0830	1.5	18.41	5.60	416	7.42	102.4	0.88	100	25.35	" "
0835	2	18.38	5.82	395	6.48	96.0	0.54	100	25.35	" "
0840	2.5	18.27	5.89	378	6.27	96.8	1.92	100	25.35	" "
0845	3	18.32	5.96	378	5.89	98.6	2.21	100	25.35	" "
0850	3.5	18.30	5.87	374	5.55	106.6	2.00	100	25.35	" "

d. Acceptance criteria pass/fail

(continued on back)

Yes No N/A
 Has required volume been removed ☐ ☐ ☒
 Has required turbidity been reached ☒ ☐ ☐
 Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO vol. requirement3. SAMPLE COLLECTION: Method: Grab

Sample ID Container Type No. of Containers Preservation Analysis Req. Time
MW-2015-GWA9-082019 40ml VOA (3) HCL VOC 0900
MW-2015-GWA9-082019

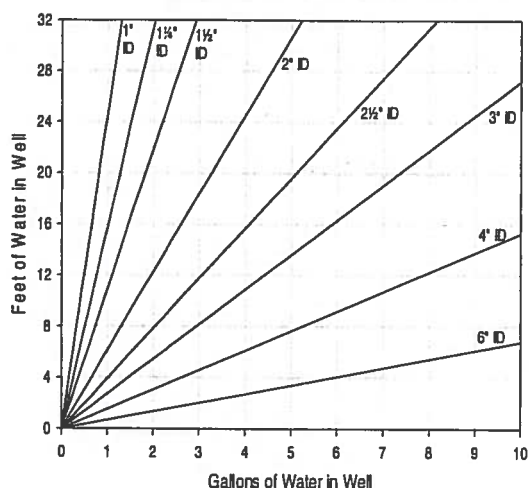
Comments _____

Signature

J. Harshman

Date

8/20/19

AECOM

Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Ozone / Erdzone Date: 8.19.19 Time: Start 1600 am/pm
 Project No: 60527976.10 Finish 1700 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sun/clouds, 90's Collector(s): JKH

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

a. Total Well Length 44.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 24.39 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used: Make Model Serial Number

YSI 556 MPS

Geotech

Turbidity Meter

Heron

Dipper T

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (μ S/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1615	1	22.04	7.57	1255	10.40	37.5	10.1	200	24.40	Clear/None
1620	2	22.16	7.37	1252	7.65	50.0	9.8	"	24.40	" "
1625	3	20.49	6.65	1247	8.65	96.7	9.6	"	24.40	" "
1630	4	20.95	7.18	1249	8.39	71.2	7.33	"	24.40	" "
1635	5	20.80	7.22	1255	8.74	70.9	7.20	"	24.40	" "
1640	6	20.50	7.28	1251	8.82	65.4	5.27	"	24.40	" "
1645	7	20.77	7.30	1251	8.43	63.9	5.12	"	24.40	" "

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

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

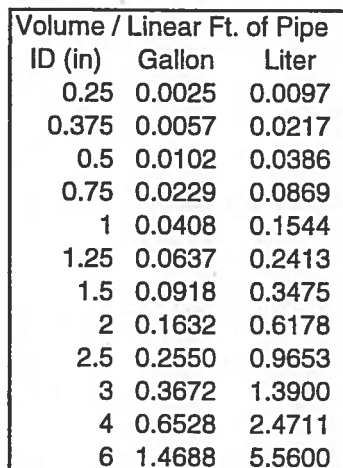
3. SAMPLE COLLECTION: Method: Grab

Sample ID Container Type No. of Containers Preservation Analysis Req. Time
MW-203-6WA9-08/19/19 40ml VOA 3 HCL VOC 1645

Comments _____

Signature _____

Date 8/19/19

AECOM[illegible]

Project Name:	Sample Location: LOC-22
Recorded By: J. Harshman	Date: 8-20-19
Client: Endzone, Inc; Ozone	Ambient Temp: 85-90°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-22-SG-082019	Sample ID:
Regulator ID: 01265	Regulator ID:
Canister ID: 2025 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.00	Sample Start Time:
Sample Start Time: 1413	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.77	Sample Check Time:
Sample Check Time: 1513	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.16	Sample End Time:
Sample End Time: 1613	Final Differential Pressure:
Notes	
PID after 5 min purge = 3.2 ppm	

Project Name:	Sample Location: Lox-25
Recorded By: J. Harshman	Date: 8.20.19
Client: Endzone, Inc., Ozone	Ambient Temp: 85-90°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: Lox-25-SG-082019	Sample ID:
Regulator ID: 01088	Regulator ID:
Canister ID: 230 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.24	Sample Start Time:
Sample Start Time: 1423	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -18.39	Sample Check Time:
Sample Check Time: 1523	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -7.05	Sample End Time:
Sample End Time: 1623	Final Differential Pressure:
Notes	
PID after 5 min purge = 2.2 ppm	

Project Name:	Sample Location: <i>LOC-27</i>
Recorded By: <i>J. Harshman</i>	Date: <i>8.20.19</i>
Client: <i>Endzone, Inc, OZONE</i>	Ambient Temp: <i>85-90°F</i>
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: <i>LOC-27-SG-082019</i>	Sample ID:
Regulator ID: <i>01264</i>	Regulator ID:
Canister ID: <i>550 2.7L</i>	Canister ID:
Purge Flow Rate: <i>2000 cc/min</i>	Leak Test Performed (Y/N):
Purge Time: <i>5 min</i>	Initial Differential Pressure:
Purge Volume (Calculated): <i>5 liters</i>	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: <i>-29.72</i>	Sample Start Time:
Sample Start Time: <i>1437</i>	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: <i>-17.78</i>	Sample Check Time:
Sample Check Time: <i>1537</i>	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: <i>-6.81</i>	Sample End Time:
Sample End Time: <i>1637</i>	Final Differential Pressure:
Notes	
<i>PID after 5 min purge = 7.2 ppm</i>	

Project Name:	Sample Location: <i>Loc-27B</i>
Recorded By: <i>J. Harshman</i>	Date: <i>8.20.19</i>
Client: <i>Erdzone, Inc; OZONE</i>	Ambient Temp: <i>85-90°F</i>
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: ~~<i>Loc-27B-56-082019</i>~~ <i>Loc-27B-56-082019</i>	Sample ID:
Regulator ID: <i>0865</i>	Regulator ID:
Canister ID: <i>257 2.7L</i>	Canister ID:
Purge Flow Rate: <i>2000 cc/min</i>	Leak Test Performed (Y/N):
Purge Time: <i>5 min</i>	Initial Differential Pressure:
Purge Volume (Calculated): <i>5 Liters</i>	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: <i>-28.20</i>	Sample Start Time:
Sample Start Time: <i>1449</i>	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: <i>-15.34</i>	Sample Check Time:
Sample Check Time: <i>1549</i>	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: <i>-4.86</i>	Sample End Time:
Sample End Time: <i>1649</i>	Final Differential Pressure:
Notes	
<i>PID after 5 min purge = 2.4 ppm</i>	

Project Name:	Sample Location: LOC-24
Recorded By: J. Harshman	Date: 8-21-19
Client: Endzone, Inc. (OZONE)	Ambient Temp: 85°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-24-SG-082119	Sample ID:
Regulator ID: 01096	Regulator ID:
Canister ID: 329 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -29.84	Sample Start Time:
Sample Start Time: 1202	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -15.00	Sample Check Time:
Sample Check Time: 1302	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -3.01	Sample End Time:
Sample End Time: 1402	Final Differential Pressure:

Notes

PID after 5 min purge = 1.6 ppm

Project Name:	Sample Location: LOC-26
Recorded By: J. Harshman	Date: 8.21.19
Client: Endzone, Inc. (OZONE)	Ambient Temp: 85°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-26-SG-082119	Sample ID:
Regulator ID: 01240	Regulator ID:
Canister ID: 342 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -29.96	Sample Start Time:
Sample Start Time: 1212	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.17	Sample Check Time:
Sample Check Time: 1312	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -5.42	Sample End Time:
Sample End Time: 1412	Final Differential Pressure:
Notes	
PID after 5 min purge = 1.7 ppm	

Project Name:	Sample Location: LOC-28
Recorded By: J. Harshman	Date: 8.21.19
Client: Endzone, Inc. (Ozone)	Ambient Temp: 85°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-28-SG-082119	Sample ID:
Regulator ID: 01143	Regulator ID:
Canister ID: 247 2.7 L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -29.90	Sample Start Time:
Sample Start Time: 1221	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.20	Sample Check Time:
Sample Check Time: 1321	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.34	Sample End Time:
Sample End Time: 1421	Final Differential Pressure:
Notes	
PID after 5 min purge = 1.3 ppm	

Low Flow Ground Water Sample Collection Record

nt: Ozone / Endzone Date: 11.18.19 Time: Start 1610 am/pm
 Project No: 60527976.10 Finish 1650 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Rain, 40°F Collector(s): JCH

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

a. Total Well Length 44.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2"
 b. Water Table Depth 24.91 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow Wd P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used: Make YSI 846 Model Professional Plus Serial Number 18D102399
Geotech Turbidity meter 18021638
Heron Dipper T 3010-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1620	2	13.5	8.73	1147	6.82	-30.7	5.78	200	24.91	clear / None
1625	3	13.2	8.42	1149	6.41	-31.5	8.08	200	24.91	" "
1630	4	13.3	8.22	1157	6.21	-27.5	8.51	200	24.91	" "
1635	5	13.3	8.16	1164	6.14	-26.7	8.78	200	24.91	" "
1640	6	13.4	8.13	1166	6.09	-26.5	8.82	200	24.91	" "

d. Acceptance criteria pass/fail Yes No N/A
 Has required volume been removed ☐ ☐ ☒
 Has required turbidity been reached ☒ ☐ ☐
 Have parameters stabilized ☒ ☐ ☐
 If no or N/A - Explain below.

(continued on back)

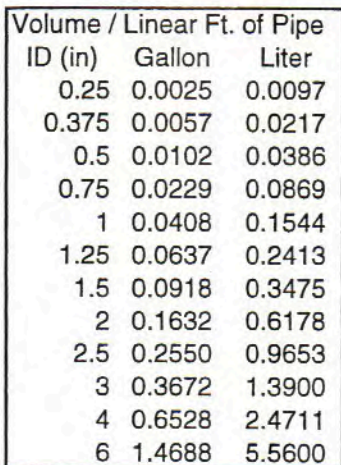
3. SAMPLE COLLECTION:

Method: Grab

Sample ID MW-203-6WA10-111819 Container Type 40 ml VOA No. of Containers 3 Preservation Hel Analysis Req. LOC Time 1645

Comments _____

Signature Jff Hurshman Date 11.18.19



Volume

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are 20 columns and 20 rows of squares. A thicker vertical line runs down the center, dividing the grid into two equal halves of 10 columns each. A thicker horizontal line runs across the middle, dividing the grid into two equal halves of 10 rows each. These thicker lines intersect at the center of the page. The rest of the grid is composed of standard-weight lines. The paper is white and has no other markings or text.

Low Flow Ground Water Sample Collection Record

Event: Ozone - Nov. 2019 Round Date: 11-19-19 Time: Start 1025 am/pm
 Project No: 60527976.10 Finish 1130 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: cloudy, 50°F Collector(s): JKH

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

a. Total Well Length 40.28 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 28.44 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI Professional Plus

18D102389

Geotech

Turbidity Meter

18021688

Heron

Dipper T

3010-1837

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1045	2	14.9	7.60	1547	7.06	8.0	7.93	100	28.48	clear/None
1050	2.5	15.0	7.59	1584	6.30	0.7	7.76	100	28.48	" "
1055	3	14.9	7.42	1584	6.09	0.9	5.39	100	28.48	" "
1100	3.5	15.1	7.24	1582	6.06	3.4	3.24	100	28.48	" "
1105	4	15.0	7.14	1571	6.05	6.1	2.28	100	28.48	" "
1110	4.5	15.0	7.07	1572	5.96	7.5	1.59	100	28.48	" "
1115	5	15.3	7.05	1571	5.94	9.4	1.17	100	28.48	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐

☐

☒

Has required turbidity been reached ☒

☒

☐

Have parameters stabilized ☒

☒

☐

If no or N/A - Explain below.

NO vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-01-GWA10 Container Type 40ml VOA No. of Containers 9 Preservation HCL Analysis Req. VOC Time 1120

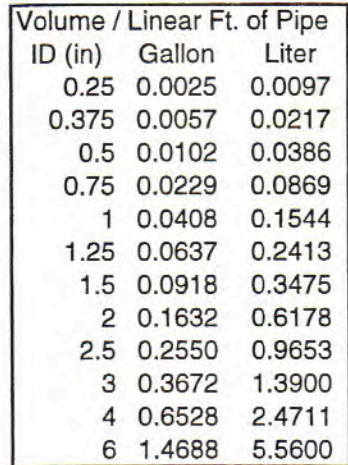
Comments MS/MSD Samples collected

Signature

Jeff Hunsicker

Date

11-19-19

AECOM

Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Content: Ozone - Nov. 2019 Round Date: 11.19.19 Time: Start 0915 am/pm
 Project No: 60527976.10 Finish 1020 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: cloudy/rain, 50°F Collector(s): JKH

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

a. Total Well Length 48.38 c. Length of Water Column _____ (a-b) Casing Diameter/Material
2" PVC
 b. Water Table Depth 28.29 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI Professional Plus 18D102399
Geotech Turbidity Meter 18021638
Heron Dispart T 3018-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0950	2	15.3	8.34	1024	5.20	-15.3	3.45	100	28.29	clear/None
0955	2.5	15.5	8.20	1050	5.23	-16.7	2.53	100	28.29	" "
1000	3	15.7	8.15	1057	5.25	-17.9	1.81	100	28.29	" "
1005	3.5	15.4	8.14	1064	5.31	-17.2	1.21	100	28.29	" "
1010	4	15.5	8.09	1070	5.40	-13.6	1.08	100	28.29	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-01D-GWA10-111919 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 1015

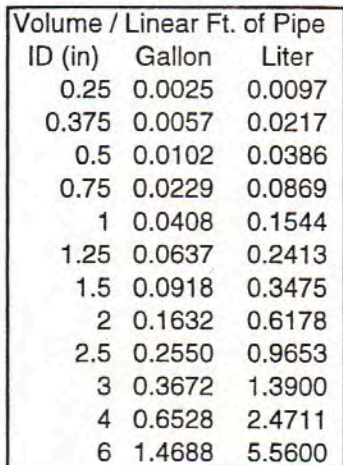
Comments _____

Signature

[Signature]

Date

11.19.19



Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Client: Ozone - Nov. 2019 Round Date: 11.19.19 Time: Start 1150 am/pm
 Project No: 60527976.10 Finish _____ am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Clouds/sun, 50°F Collector(s): JKH

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

a. Total Well Length 33.85 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 25.88 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI

Professional Plus

180102399

Geotek

Turbidity Meter

18021638

Hanon

Dipper T

3016-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1205	1	14.9	7.25	522.2	2.94	-4.5	1.52	100	25.88	clear/none
1210	1.5	15.5	6.92	521.3	1.89	-12.8	1.24	100	25.88	" "
1215	2	15.6	6.78	520.1	1.75	-11.2	1.08	100	25.88	" "
1220	2.5	15.5	6.75	519.5	1.65	-10.7	0.96	100	25.88	" "
1225	3	15.6	6.72	519.3	1.55	-10.0	0.95	100	25.88	" "
1230	3.5	15.5	6.70	516.6	1.54	-8.9	1.12	100	25.88	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID MW-201S-GWA10-111919 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 1230

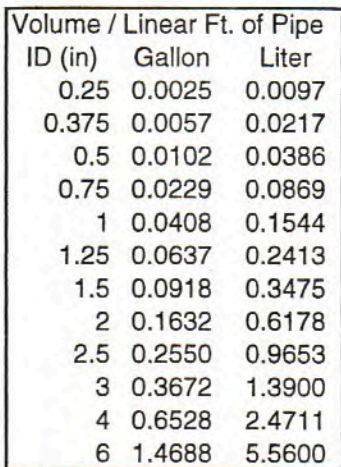
Comments _____

Signature

Jeff Harsch

Date

11.19.19



Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Event: Ozone - Nov. 2019 Round Date: 11.19.19 Time: Start 1235 am/pm
 Project No: 60527976.10 Finish 1330 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sun + clouds, 50°F Collector(s): JKH

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

a. Total Well Length 75.00 c. Length of Water Column _____ (a-b) Casing Diameter/Material 2" PVC
 b. Water Table Depth 26.02 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used: Make Model Serial Number
YSI Professional Plus 19D102399
Geotech Turb. Meter 18021638
Hanon Dipper T 3010-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1250	1	15.1	7.30	880	5.52	3.1	6.20	100	26.02	Clear / None
1255	1.5	15.3	7.52	882	5.20	-1.4	8.87	100	26.02	" "
1300	2	15.2	7.64	879	4.99	-0.7	4.56	100	26.02	" "
1305	2.5	15.2	7.63	878	5.07	1.2	2.15	100	26.02	" "
1310	3	15.2	7.69	876	4.98	1.7	3.74	100	26.02	" "

d. Acceptance criteria pass/fail Yes No N/A
 Has required volume been removed ☐ ☐ ☒
 Has required turbidity been reached ☒ ☐ ☐
 Have parameters stabilized ☒ ☐ ☐
 If no or N/A - Explain below.

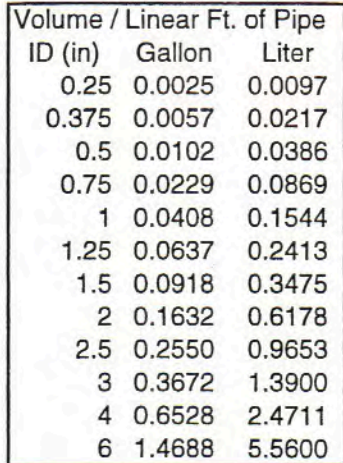
NO Vol. Requirement

3. SAMPLE COLLECTION: Method: Grab

Sample ID	Container Type	No. of Containers	Preservation	Analysis Req.	Time
MW-201D-GWA10-111919	40ml VOA	3	Hel	VOC	1315
MW-201D-GWB10-111919	40ml VOA	3	Hel	VOC	1320

Comments: Duplicate samples collected

Signature: [Signature] Date: 11.19.19



Volume

This image shows a full page of blank graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 25 rows of squares. The paper is otherwise empty, with no text or markings.

Low Flow Ground Water Sample Collection Record

Event: Ozone - Nov. 2019 Round Date: 11.19.19 Time: Start 1415 am/pm
 Project No: 60527976.10 Finish 1500 am/pm
 Site Location: Ozone Park, Queens
 Weather Conds: Sun/clouds, 50°F Collector(s): JKH

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

a. Total Well Length 42.60 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 27.02 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI Professional Plus 18D102399
Geotech Turb. Meter 18021638
Hanon Digport 3010-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
1430	0.5	15.4	7.74	1283	5.95	4.8	1.00	100	27.03	clear/none
1435	1	15.5	7.88	1290	5.47	-4.4	3.46	100	27.03	" "
1440	1.5	15.6	7.86	1278	5.33	-3.1	4.30	100	27.03	" "
1445	2	15.6	7.83	1276	5.35	-2.3	2.64	100	27.03	" "
1450	2.5	15.5	7.78	1272	5.37	-0.7	1.65	100	27.03	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. Requirement

3. SAMPLE COLLECTION:

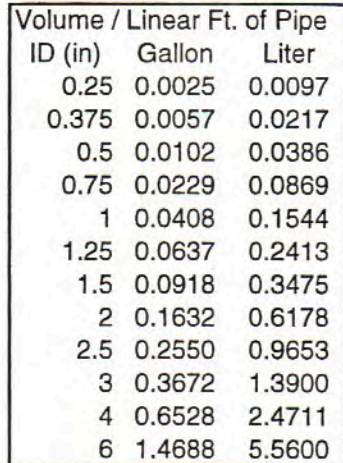
Method: Grab

Sample ID PZ-08-GWA10-111919 Container Type 40ml vial No. of Containers 3 Preservation HEL Analysis Req. VOC Time 1455

Comments _____

Signature _____

Date 11.19.19



Volume

[illegible]

Low Flow Ground Water Sample Collection Record

Event: Ozone - Nov. 2019 Round Date: 11.20.19 Time: Start 0830 am/pm
 Project No: 60527976.10 Finish 0920 am/pm
 Site Location: Ozone Park, Queens, NY
 Weather Conds: cloudy, 40's Collector(s): JKH

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

a. Total Well Length 35.15 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 26.40 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI Professional Plus 18D102399
Geotech Turb. Meter 18021638
Hanon Dipper T 3060-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0845	1	14.1	8.55	823	5.52	-2.8	0.20	100	26.42	clear/none
0850	1.5	13.9	8.13	820	5.05	-3.0	0.18	100	26.42	" "
0855	2	14.0	7.87	819	4.98	-1.1	0.16	100	26.42	" "
0900	2.5	14.5	7.68	826	4.98	1.4	0.15	100	26.42	" "
0905	3	14.5	7.58	823	5.17	2.3	0.15	100	26.42	" "
0910	3.5	14.5	7.53	828	5.16	2.4	0.14	100	26.42	" "
0915	4	14.6	7.50	829	5.15	2.4	0.12	100	26.42	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

NO Vol. Requirement

3. SAMPLE COLLECTION:

Method: Grab

Sample ID PZ-09-GWA10-112019 Container Type 40ml VOA No. of Containers 3 Preservation HCL Analysis Req. VOC Time 0915

Comments _____

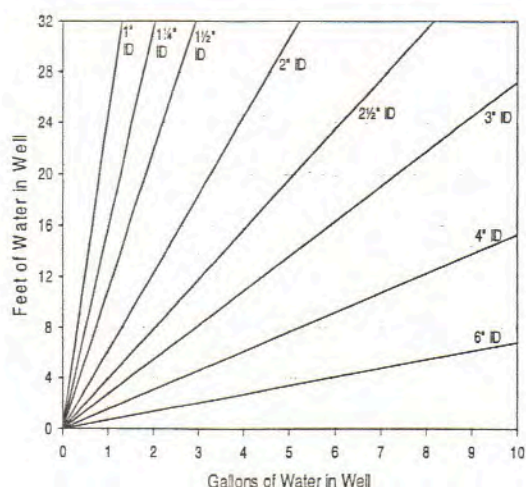
Signature

JKH

Date

11.20.19

Purge Volume Calculation



Volume / Linear Ft. of Pipe		
ID (in)	Gallon	Liter
0.25	0.0025	0.0097
0.375	0.0057	0.0217
0.5	0.0102	0.0386
0.75	0.0229	0.0869
1	0.0408	0.1544
1.25	0.0637	0.2413
1.5	0.0918	0.3475
2	0.1632	0.6178
2.5	0.2550	0.9653
3	0.3672	1.3900
4	0.6528	2.4711
6	1.4688	5.5600

(continued from front)

[illegible]

Low Flow Ground Water Sample Collection Record

Event: Ozone - Nov. 2019 Round Date: 11-20-19 Time: Start 0925 am/pm
 Project No: 60527976.10 Finish 1005 am/pm
 Site Location: Ozone Park, Queens, NY
 Weather Conds: Cloudy, 40's Collector(s): JKH

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

a. Total Well Length 41.55 c. Length of Water Column _____ (a-b) Casing Diameter/Material 1" PVC
 b. Water Table Depth 25.85 d. Calculated System Volume (see back) _____

2. WELL PURGE DATA

a. Purge Method: Low Flow via P.P.

b. Acceptance Criteria defined (see workplan)

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

c. Field Testing Equipment used:

Make

Model

Serial Number

YSI Professional Plus 18D102399
Geotech Turb. Meter 18021638
Hanon Dipper T 3010-1337

Time (24hr)	Volume Remove (Liters)	Temp. (°C)	pH	Spec. Cond. (µS/cm)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Flow Rate (ml/min)	Drawdown (feet)	Color/Odor
0930	0.5	14.1	7.40	1015	5.30	-0.2	1.26	100	25.85	clear/NONE
0935	1	14.0	7.46	996	4.34	-4.9	1.18	100	25.85	" "
0940	1.5	14.1	7.42	1001	4.24	-2.3	1.05	100	25.85	" "
0945	2	14.1	7.35	997	4.34	0.1	0.98	100	25.85	" "
0950	2.5	14.4	7.33	993	4.30	0.1	1.10	100	25.85	" "
0955	3	14.4	7.32	994	4.23	-0.2	1.03	100	25.85	" "

d. Acceptance criteria pass/fail

Yes No N/A

(continued on back)

Has required volume been removed ☐ ☐ ☒

Has required turbidity been reached ☒ ☐ ☐

Have parameters stabilized ☒ ☐ ☐

If no or N/A - Explain below.

No vol. Requirement

3. SAMPLE COLLECTION:

Method:

Grab

Sample ID PZ-10-GWA10-112019 Container Type 40ml VOA No. of Containers 3 Preservation HCC Analysis Req. VOC Time 1000

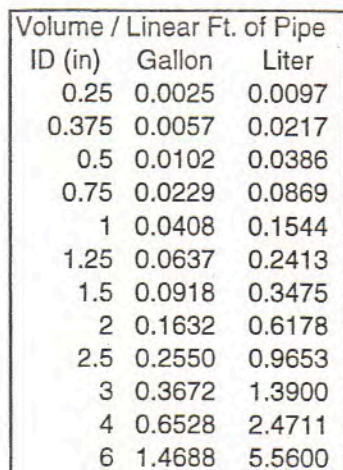
Comments

Signature

Jeff Hauler

Date

11-20-19

[illegible]

Project Name:	Sample Location: LOC-22
Recorded By: J. Harshman	Date: 11-20-19
Client: Endzone, Inc (OZONE)	Ambient Temp: 45°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-22-SG-112019	Sample ID:
Regulator ID: 01336	Regulator ID:
Canister ID: 3202 • 27L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 mins	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.45	Sample Start Time:
Sample Start Time: 1255	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.85	Sample Check Time:
Sample Check Time: 1400	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -8.88	Sample End Time:
Sample End Time: 1455	Final Differential Pressure:

Notes

PID after 5 min purge = 1.1 ppm

Project Name:	Sample Location: LOC-25
Recorded By: J. Harshman	Date: 11.20.19
Client: Endzone, Inc (OZONE)	Ambient Temp: 45°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-25-SG-112019	Sample ID:
Regulator ID: 01344	Regulator ID:
Canister ID: 2071 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 mins	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.30	Sample Start Time:
Sample Start Time: 1305	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -18.51	Sample Check Time:
Sample Check Time: 1405	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -7.17	Sample End Time:
Sample End Time: 1505	Final Differential Pressure:
Notes	
PID after 5 min purge = 1.0 ppm	

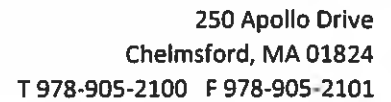
Project Name:	Sample Location: LOC - 27
Recorded By: J. Harshman	Date: 11-20-19
Client: Endzone, Inc (OZONE)	Ambient Temp: 45°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-27-S6-112019	Sample ID:
Regulator ID: 01342	Regulator ID:
Canister ID: 3239 2.7 L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.20	Sample Start Time:
Sample Start Time: 1313	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -19.75	Sample Check Time:
Sample Check Time: 1412	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -9.28	Sample End Time:
Sample End Time: 1513	Final Differential Pressure:
Notes	
PID after 5 min purge = 1.4 ppm	

Project Name:	Sample Location: LOC-27B
Recorded By: J. Harshman	Date: 11.20.19
Client: Endzone, Inc. (02 ONE)	Ambient Temp: 45°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-27B-SG-112019	Sample ID:
Regulator ID: 0901	Regulator ID:
Canister ID: 2878 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -31.05	Sample Start Time:
Sample Start Time: 1321	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -19.88	Sample Check Time:
Sample Check Time: 1417	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -7.91	Sample End Time:
Sample End Time: 1521	Final Differential Pressure:
Notes	
PID after 5 min purge = 1.4 ppm	

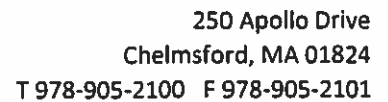
Project Name:	Sample Location: LOC-24
Recorded By: J. Houshman	Date: 11.21.19
Client: Endzone, Inc (OZONE)	Ambient Temp: 40°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-24-SG-112119	Sample ID:
Regulator ID: 01240	Regulator ID:
Canister ID: 3198 2.7L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.51	Sample Start Time:
Sample Start Time: 0813	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -17.69	Sample Check Time:
Sample Check Time: 0913	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.48	Sample End Time:
Sample End Time: 1013	Final Differential Pressure:
Notes	
P (D) after 5 min purge = 0.0 ppm	

Project Name:	Sample Location: LOC-26
Recorded By: J. Harshman	Date: 11-21-19
Client: Endzone, Inc (OZONE)	Ambient Temp: 40°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-26-SG-112119	Sample ID:
Regulator ID: 01333	Regulator ID:
Canister ID: 2176 2.7 L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.77	Sample Start Time:
Sample Start Time: 0820	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -19.43	Sample Check Time:
Sample Check Time: 0920	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -8.98	Sample End Time:
Sample End Time: 1020	Final Differential Pressure:
Notes	
p10 after 5 min purge = 0.0ppm	

Project Name:	Sample Location: Loc-28
Recorded By: J. Harshman	Date: 11.21.19
Client: Endzone, Inc. (Ozone)	Ambient Temp: 40°F
Exterior Soil Vapor Sample	Sub-Slab Soil Vapor Sample
Sample ID: LOC-28-S6-112119	Sample ID:
Regulator ID: 01335	Regulator ID:
Canister ID: 2686 2.7 L	Canister ID:
Purge Flow Rate: 2000 cc/min	Leak Test Performed (Y/N):
Purge Time: 5 min	Initial Differential Pressure:
Purge Volume (Calculated): 5 Liters	Initial Vacuum Gauge Reading:
Initial Vacuum Gauge Reading: -30.57	Sample Start Time:
Sample Start Time: 0827	Intermediate Vacuum Gauge Reading:
Intermediate Vacuum Gauge Reading: -18.41	Sample Check Time:
Sample Check Time: 0825	Final Vacuum Gauge Reading:
Final Vacuum Gauge Reading: -6.23	Sample End Time:
Sample End Time: 1027	Final Differential Pressure:
Notes	
PID after 5 min purge = 0.0 ppm	

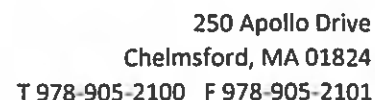


Project _Ozone park Project Number: 60527976		Sample Location: BAY 8A	
Recorded By: Matt Pearsall		Date: 12/23/20	
		Ambient Temp: 40.5	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: ~~BAY 8A-102319~~ BAY 8A-INDOOR AIR-122319		Soil Gas Sample ID:	
Regulator ID: 01530		Regulator ID:	
Canister ID: 1918		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2 L		Canister Volume:	
Sample Start Time: 0850		Sample Start Time:	
Initial Vacuum Gauge Reading: -30.71		Initial Vacuum Gauge Reading:	
Sample Check Time: 1020 13.34 1430		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -25.76 -18.65 -12.87		Intermediate Vacuum Gauge Reading:	
Sample End Time: ~~1430~~ 1624 1648		Sample End Time:	
Final Vacuum Gauge Reading: ~~-12.87~~ -6.04 -5.43		Final Vacuum Gauge Reading:	
Notes			

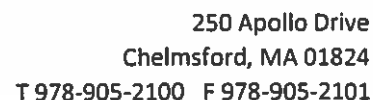


Project _Ozone park Project Number: 60527976		Sample Location: BAY 8B	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: BAY 8B-INDOOR AIR-122319		Soil Gas Sample ID:	
Regulator ID: 01525		Regulator ID:	
Canister ID: 2995		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2 L		Canister Volume:	
Sample Start Time: 0845		Sample Start Time:	
Initial Vacuum Gauge Reading: -30.91		Initial Vacuum Gauge Reading:	
Sample Check Time: 1009 1232 1438		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -26.36 -18.76 -12.47		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1438 1624		Sample End Time:	
Final Vacuum Gauge Reading: -12.47 -6.04		Final Vacuum Gauge Reading:	
Notes			

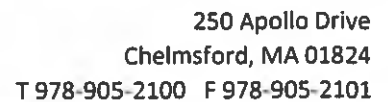
Project _Ozone park Project Number: 60527976	Sample Location: BAY 9
Recorded By: Matt Pearsall	Date: 12/23/19
	Ambient Temp: 40.5
Indoor Air Sample	Soil Gas Sample
Indoor/Outdoor Air Sample ID:	Soil Gas Sample ID:
Regulator ID:	Regulator ID:
Canister ID:	Canister ID:
Sample Height:	Sample Height:
Canister Volume:	Canister Volume:
Sample Start Time:	Sample Start Time:
Initial Vacuum Gauge Reading:	Initial Vacuum Gauge Reading:
Sample Check Time:	Sample Check Time:
Intermediate Vacuum Gauge Reading:	Intermediate Vacuum Gauge Reading:
Sample End Time:	Sample End Time:
Final Vacuum Gauge Reading:	Final Vacuum Gauge Reading:
Notes	
*BAY INACCESSIBLE DUE TO DOOR BEING BLOCKED *NO SAMPLES ABLE TO BE COLLECTED	



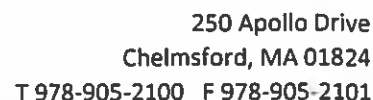
Project _Ozone park Project Number: 60527976		Sample Location: BAY 10	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: BAY 10 - INDOOR AIR - 122319		Soil Gas Sample ID:	
Regulator ID: 0702		Regulator ID:	
Canister ID: 3109		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2L		Canister Volume:	
Sample Start Time: 0830		Sample Start Time:	
Initial Vacuum Gauge Reading: -29.80		Initial Vacuum Gauge Reading:	
Sample Check Time: 0955 1235 1430		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -25.57 -15.88 -9.58		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1430 1610		Sample End Time:	
Final Vacuum Gauge Reading: -9.58 - 4.47		Final Vacuum Gauge Reading:	
Notes			



Project _Ozone park Project Number: 60527976		Sample Location: BAY 11	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: BAY 11 - INDOOR AIR - 122319		Soil Gas Sample ID:	
Regulator ID: 0157 01169		Regulator ID:	
Canister ID: 357		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2L		Canister Volume:	
Sample Start Time: 0841		Sample Start Time:	
Initial Vacuum Gauge Reading: -25.36		Initial Vacuum Gauge Reading:	
Sample Check Time: 10:05 1231 1426		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -20.09 -11.58 -5.01		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1426 16:11		Sample End Time:	
Final Vacuum Gauge Reading: -5.01 -5.90		Final Vacuum Gauge Reading:	
Notes			



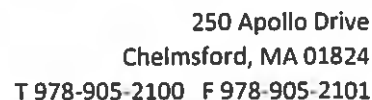
Project _Ozone park Project Number: 60527976		Sample Location: <i>BAY 13</i>	
Recorded By: Matt Pearsall		Date: <i>12/23/19</i>	
		Ambient Temp: <i>40s</i>	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: <i>BAY 13-INDOOR AIR_122319</i>		Soil Gas Sample ID:	
Regulator ID: <i>01576</i>		Regulator ID:	
Canister ID: <i>3166</i>		Canister ID:	
Sample Height: <i>4'</i>		Sample Height:	
Canister Volume: <i>2L</i>		Canister Volume:	
Sample Start Time: <i>0835</i>		Sample Start Time:	
Initial Vacuum Gauge Reading: <i>-30.73</i>		Initial Vacuum Gauge Reading:	
Sample Check Time: <i>0958 1228 14.23</i>		Sample Check Time:	
Intermediate Vacuum Gauge Reading: <i>-26.63 -19.26 -13.49</i>		Intermediate Vacuum Gauge Reading:	
Sample End Time: <i>1613</i>		Sample End Time:	
Final Vacuum Gauge Reading: <i>-7.76</i>		Final Vacuum Gauge Reading:	
Notes			



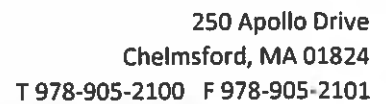
Project _Ozone park Project Number: 60527976		Sample Location: BAY 14	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: BAY 14_INDOOR AIR_122319		Soil Gas Sample ID:	
Regulator ID: 0731		Regulator ID:	
Canister ID: 3179		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2L		Canister Volume:	
Sample Start Time: 0837		Sample Start Time:	
Initial Vacuum Gauge Reading: -30.77		Initial Vacuum Gauge Reading:	
Sample Check Time: 1000 1229 1424		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -26.01 -18.02 -11.68		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1615		Sample End Time:	
Final Vacuum Gauge Reading: -5.50		Final Vacuum Gauge Reading:	
Notes			



Project _Ozone park Project Number: 60527976		Sample Location: BAY 15	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40_s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: BAY 15 - INDOOR AIR - 122319		Soil Gas Sample ID:	
Regulator ID: 0635		Regulator ID:	
Canister ID: 1732		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2 L		Canister Volume:	
Sample Start Time: 0839		Sample Start Time:	
Initial Vacuum Gauge Reading: -30.14		Initial Vacuum Gauge Reading:	
Sample Check Time: 1005 1230 1425		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -20.20 -18.77 -12.01		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1620		Sample End Time:	
Final Vacuum Gauge Reading: -6.82		Final Vacuum Gauge Reading:	
Notes			

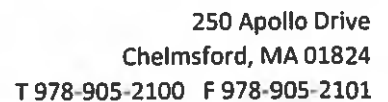


Project _Ozone park Project Number: 60527976		Sample Location: 100 TH STREET	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID: 100 TH STREET - OUTDOOR AIR - 122319		Soil Gas Sample ID:	
Regulator ID: 01565		Regulator ID:	
Canister ID: 3200		Canister ID:	
Sample Height: 4'		Sample Height:	
Canister Volume: 2L		Canister Volume:	
Sample Start Time: 0837		Sample Start Time:	
Initial Vacuum Gauge Reading: -30.50		Initial Vacuum Gauge Reading:	
Sample Check Time: 1023 1235 1432		Sample Check Time:	
Intermediate Vacuum Gauge Reading: -22.10 1025 -10.61		Intermediate Vacuum Gauge Reading:	
Sample End Time: 1650		Sample End Time:	
Final Vacuum Gauge Reading: -3.62		Final Vacuum Gauge Reading:	
Notes			

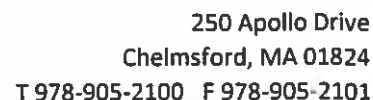


Project _Ozone park	Sample Location:
Project Number: 60527976	99TH STREET
Recorded By: Matt Pearsall	Date:
	12/23/19
	Ambient Temp:
	405
Indoor Air Sample	Soil Gas Sample
Indoor/Outdoor Air Sample ID:	Soil Gas Sample ID:
99TH STREET - OUTDOOR AIR - 12289	
Regulator ID:	Regulator ID:
01577	
Canister ID:	Canister ID:
233	
Sample Height:	Sample Height:
4'	
Canister Volume:	Canister Volume:
2L	
Sample Start Time:	Sample Start Time:
0850	
Initial Vacuum Gauge Reading:	Initial Vacuum Gauge Reading:
-31.27	
Sample Check Time:	Sample Check Time:
1008 1230 1431	
Intermediate Vacuum Gauge Reading:	Intermediate Vacuum Gauge Reading:
-27.25 -19.97 -14.97	
Sample End Time:	Sample End Time:
1630	
Final Vacuum Gauge Reading:	Final Vacuum Gauge Reading:
-10.07	
Notes	

Project _Ozone park Project Number: 60527976	Sample Location: <i>MP-158</i>
Recorded By: Matt Pearsall	Date: <i>12/23/19</i>
	Ambient Temp: <i>40s</i>
Indoor Air Sample	Soil Gas Sample
Indoor/Outdoor Air Sample ID:	Soil Gas Sample ID: <i>MP-158-SOILGAS-122319</i>
Regulator ID:	Regulator ID: <i>61016</i>
Canister ID:	Canister ID: <i>462</i>
Sample Height:	Sample Height: <i>—</i>
Canister Volume:	Canister Volume: <i>2L</i>
Sample Start Time:	Sample Start Time: <i>1645</i>
Initial Vacuum Gauge Reading:	Initial Vacuum Gauge Reading: <i>-30.25</i>
Sample Check Time:	Sample Check Time: <i>—</i>
Intermediate Vacuum Gauge Reading:	Intermediate Vacuum Gauge Reading: <i>—</i>
Sample End Time:	Sample End Time: <i>-6.31 1710</i>
Final Vacuum Gauge Reading:	Final Vacuum Gauge Reading: <i>-6.31</i>
Notes	



Project _Ozone park Project Number: 60527976		Sample Location: MP-12S	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID:		Soil Gas Sample ID: MP-12S - SOIL GAS - 122319	
Regulator ID:		Regulator ID: 01506	
Canister ID:		Canister ID: 2045	
Sample Height:		Sample Height: -	
Canister Volume:		Canister Volume: 2L	
Sample Start Time:		Sample Start Time: ~~1705~~ 1640	
Initial Vacuum Gauge Reading:		Initial Vacuum Gauge Reading: -27.20	
Sample Check Time:		Sample Check Time: -	
Intermediate Vacuum Gauge Reading:		Intermediate Vacuum Gauge Reading: -	
Sample End Time:		Sample End Time: 1705	
Final Vacuum Gauge Reading:		Final Vacuum Gauge Reading: -4.95	
Notes			



Project _Ozone park Project Number: 60527976		Sample Location: MP-8S	
Recorded By: Matt Pearsall		Date: 12/23/19	
		Ambient Temp: 40s	
Indoor Air Sample		Soil Gas Sample	
Indoor/Outdoor Air Sample ID:		Soil Gas Sample ID: MP-8S-SOILGAS-122319	
Regulator ID:		Regulator ID: 2105	
Canister ID:		Canister ID: 0303	
Sample Height:		Sample Height: -	
Canister Volume:		Canister Volume: 2L	
Sample Start Time:		Sample Start Time: 1636	
Initial Vacuum Gauge Reading:		Initial Vacuum Gauge Reading: -29.53	
Sample Check Time:		Sample Check Time: —	
Intermediate Vacuum Gauge Reading:		Intermediate Vacuum Gauge Reading: —	
Sample End Time:		Sample End Time: 1701	
Final Vacuum Gauge Reading:		Final Vacuum Gauge Reading: 1.04	
Notes			

Appendix E

Groundwater, Soil Gas and Ambient Air Analytical Results

May 2019 - Groundwater Data



ANALYTICAL REPORT

Lab Number:	L1921853
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976.10
Report Date:	07/17/19

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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: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921853-01	TB-052119	WATER	OZONE PARK, NY	05/21/19 08:00	05/23/19
L1921853-02	MW-201D-GWA8-052119	WATER	OZONE PARK, NY	05/21/19 08:50	05/23/19
L1921853-03	MW-201D-GWB8-052119	WATER	OZONE PARK, NY	05/21/19 08:55	05/23/19
L1921853-04	PZ-01-GWA8-052119	WATER	OZONE PARK, NY	05/21/19 10:45	05/23/19
L1921853-05	PZ-01D-GWA8-052119	WATER	OZONE PARK, NY	05/21/19 11:45	05/23/19
L1921853-06	PZ-08-GWA8-052119	WATER	OZONE PARK, NY	05/21/19 13:50	05/23/19
L1921853-07	PZ-09GWA8-052119	WATER	OZONE PARK, NY	05/21/19 14:40	05/23/19
L1921853-08	EB-GWC8-052219	WATER	OZONE PARK, NY	05/23/19 07:15	05/23/19
L1921853-09	PZ-10-GWA8-052219	WATER	OZONE PARK, NY	05/23/19 08:20	05/23/19
L1921853-10	MW-203-GWA8-052219	WATER	OZONE PARK, NY	05/23/19 09:35	05/23/19

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

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: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Case Narrative (continued)

Report Revision

July 17, 2019: The Client ID has been corrected on L1921853-03.

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 WG1243694-3/-4 LCS/LCSD recoveries, associated with L1921853-10, are above the individual acceptance criteria for 2-chloroethylvinyl ether (60%) and 2,2-dichloropropane (140%/140%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for these compounds.

The WG1243694-3/-4 LCS/LCSD RPD, associated with L1921853-10, are above the acceptance criteria for ethyl acetate (42%).

The WG1243719-3/-4 LCS/LCSD recoveries, associated with L1921853-01 through -09, are below the individual acceptance criteria for 2-chloroethylvinyl ether (57%/55%), tert-butyl alcohol (LCS at 56%), naphthalene (LCS at 69%) and iodomethane (37%/37%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG1243719-3/-4 LCS/LCSD RPDs, associated with L1921853-01 through -09, are above the acceptance criteria for tert-butyl alcohol (30%) and 1,4-dioxane (63%).

The WG1243719-6/-7 MS/MSD recoveries, performed on L1921853-04, are below the acceptance criteria for chloromethane (MSD at 140%) and acetone (MSD at 160%), and 1,4-dioxane (MS at 14%); however, the associated LCS/LCSD recoveries are within overall method allowances. The results of the native sample are considered to have a potentially low bias for these compounds.

The WG1243719-6/-7 MS/MSD RPDs, performed on L1921853-04, are outside the acceptance criteria for acetone (37%), 2-butanone (23%), o-chlorotoluene (32%), 1,2-dibromo-3-chloropropane (21%) and 1,4-

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Case Narrative (continued)

dioxane (148%).

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 Stenstrom

Title: Technical Director/Representative

Date: 07/17/19

ORGANICS

VOLATILES

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-01
 Client ID: TB-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 08:00
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 14:49
 Analyst: AD

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-01
Client ID: TB-052119
Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 08:00
Date Received: 05/23/19
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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-01**Date Collected:** 05/21/19 08:00**Client ID:** TB-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-02

Date Collected: 05/21/19 08:50

Client ID: MW-201D-GWA8-052119

Date Received: 05/23/19

Sample Location: OZONE PARK, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/01/19 15:15

Analyst: AD

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-02**Date Collected:** 05/21/19 08:50**Client ID:** MW-201D-GWA8-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.1		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-02**Date Collected:** 05/21/19 08:50**Client ID:** MW-201D-GWA8-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-03**Date Collected:** 05/21/19 08:55**Client ID:** MW-201D-GWB8-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Analytical Method:** 1,8260C**Analytical Date:** 06/01/19 15:40**Analyst:** AD

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-03**Date Collected:** 05/21/19 08:55**Client ID:** MW-201D-GWB8-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.3		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-03**Date Collected:** 05/21/19 08:55**Client ID:** MW-201D-GWB8-052119**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-04
 Client ID: PZ-01-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 10:45
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 16:06
 Analyst: AD

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-04
 Client ID: PZ-01-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 10:45
 Date Received: 05/23/19
 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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-04
 Client ID: PZ-01-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 10:45
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-05
 Client ID: PZ-01D-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 11:45
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 16:32
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	0.95		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-05
 Client ID: PZ-01D-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 11:45
 Date Received: 05/23/19
 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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-05
 Client ID: PZ-01D-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 11:45
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-06
 Client ID: PZ-08-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 13:50
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 16:57
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	0.90		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-06
 Client ID: PZ-08-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 13:50
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-06
 Client ID: PZ-08-GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 13:50
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-07
 Client ID: PZ-09GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 14:40
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/01/19 17:22

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	7.1		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	32		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-07
 Client ID: PZ-09GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 14:40
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	11		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	5.4		ug/l	2.5	--	1
1,2-Dichloroethene, Total	5.4		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-07
 Client ID: PZ-09GWA8-052119
 Sample Location: OZONE PARK, NY

Date Collected: 05/21/19 14:40
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-08
 Client ID: EB-GWC8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 07:15
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 17:48
 Analyst: AD

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

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-08
 Client ID: EB-GWC8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 07:15
 Date Received: 05/23/19
 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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-08
 Client ID: EB-GWC8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 07:15
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-09
 Client ID: PZ-10-GWA8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 08:20
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 18:13
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	27		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-09
 Client ID: PZ-10-GWA8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 08:20
 Date Received: 05/23/19
 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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-09
 Client ID: PZ-10-GWA8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 08:20
 Date Received: 05/23/19
 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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-10
 Client ID: MW-203-GWA8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 09:35
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 06/01/19 11:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	9.3		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS**

Lab ID: L1921853-10
 Client ID: MW-203-GWA8-052219
 Sample Location: OZONE PARK, NY

Date Collected: 05/23/19 09:35
 Date Received: 05/23/19
 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	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
Xylenes, Total	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.5	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	2.5	--	1
sec-Butylbenzene	ND		ug/l	2.5	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
p-Isopropyltoluene	ND		ug/l	2.5	--	1
Naphthalene	ND		ug/l	2.5	--	1

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19**SAMPLE RESULTS****Lab ID:** L1921853-10**Date Collected:** 05/23/19 09:35**Client ID:** MW-203-GWA8-052219**Date Received:** 05/23/19**Sample Location:** OZONE PARK, NY**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	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
1,4-Dioxane	ND		ug/l	250	--	1
p-Diethylbenzene	ND		ug/l	2.0	--	1
p-Ethyltoluene	ND		ug/l	2.0	--	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/19 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1243694-5					
Methylene chloride	ND		ug/l	2.5	--
1,1-Dichloroethane	ND		ug/l	2.5	--
Chloroform	ND		ug/l	2.5	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	2.5	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	2.5	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	2.5	--
Ethylbenzene	ND		ug/l	2.5	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	2.5	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.5	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	2.5	--
Trichloroethene	ND		ug/l	0.50	--

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/01/19 10:30
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1243694-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	2.5	--
p/m-Xylene	ND		ug/l	2.5	--
o-Xylene	ND		ug/l	2.5	--
Xylenes, Total	ND		ug/l	2.5	--
cis-1,2-Dichloroethene	ND		ug/l	2.5	--
1,2-Dichloroethene, Total	ND		ug/l	2.5	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	2.5	--
Acrylonitrile	ND		ug/l	5.0	--
Styrene	ND		ug/l	2.5	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	2.5	--
sec-Butylbenzene	ND		ug/l	2.5	--
tert-Butylbenzene	ND		ug/l	2.5	--

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/01/19 10:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1243694-5					
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	2.5	--
Isopropylbenzene	ND		ug/l	2.5	--
p-Isopropyltoluene	ND		ug/l	2.5	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	2.5	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
1,4-Dioxane	ND		ug/l	250	--
p-Diethylbenzene	ND		ug/l	2.0	--
p-Ethyltoluene	ND		ug/l	2.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/01/19 09:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1243719-5					
Methylene chloride	ND		ug/l	2.5	--
1,1-Dichloroethane	ND		ug/l	2.5	--
Chloroform	ND		ug/l	2.5	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	2.5	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	2.5	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	2.5	--
Ethylbenzene	ND		ug/l	2.5	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	2.5	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.5	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	2.5	--
Trichloroethene	ND		ug/l	0.50	--

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/01/19 09:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1243719-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	2.5	--
p/m-Xylene	ND		ug/l	2.5	--
o-Xylene	ND		ug/l	2.5	--
Xylenes, Total	ND		ug/l	2.5	--
cis-1,2-Dichloroethene	ND		ug/l	2.5	--
1,2-Dichloroethene, Total	ND		ug/l	2.5	--
Dibromomethane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	2.5	--
Acrylonitrile	ND		ug/l	5.0	--
Styrene	ND		ug/l	2.5	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	2.5	--
sec-Butylbenzene	ND		ug/l	2.5	--
tert-Butylbenzene	ND		ug/l	2.5	--

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/01/19 09:44
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1243719-5					
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Hexachlorobutadiene	ND		ug/l	2.5	--
Isopropylbenzene	ND		ug/l	2.5	--
p-Isopropyltoluene	ND		ug/l	2.5	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	2.5	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
1,4-Dioxane	ND		ug/l	250	--
p-Diethylbenzene	ND		ug/l	2.0	--
p-Ethyltoluene	ND		ug/l	2.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130



Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Lab Number: L1921853

Project Number: 60527976.10

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1243694-3 WG1243694-4								
Methylene chloride	120		120		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	97		96		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	95		94		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	100		97		70-130	3		20
cis-1,3-Dichloropropene	120		120		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	85		82		54-136	4		20
1,1,2,2-Tetrachloroethane	95		95		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	98		87		39-139	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1243694-3 WG1243694-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	95		97		70-130	2		20
1,3-Dichlorobenzene	97		98		70-130	1		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	96		96		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	92		94		36-147	2		20
Acetone	120		110		58-148	9		20
Carbon disulfide	95		95		51-130	0		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	92		90		59-130	2		20
2-Hexanone	92		97		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1243694-3 WG1243694-4								
Bromochloromethane	120		120		70-130	0		20
2,2-Dichloropropane	140	Q	140	Q	63-133	0		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	95		94		70-130	1		20
n-Butylbenzene	100		110		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	98		99		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		100		41-144	17		20
Hexachlorobutadiene	91		96		63-130	5		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	95		100		70-130	5		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		91		70-130	8		20
1,2,4-Trichlorobenzene	91		97		70-130	6		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	84		92		56-162	9		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1243694-3 WG1243694-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		110		70-130	10		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	96		93		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		105		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1243719-3 WG1243719-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	99		99		70-130	0		20
Chloroform	98		98		70-130	0		20
Carbon tetrachloride	100		99		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	96		98		63-130	2		20
1,1,2-Trichloroethane	94		98		70-130	4		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	94		93		62-150	1		20
1,2-Dichloroethane	95		96		70-130	1		20
1,1,1-Trichloroethane	99		97		67-130	2		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	97		97		70-130	0		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
1,1-Dichloropropene	96		93		70-130	3		20
Bromoform	91		93		54-136	2		20
1,1,2,2-Tetrachloroethane	89		92		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	100		99		70-130	1		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	100		110		64-130	10		20
Bromomethane	100		99		39-139	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1243719-3 WG1243719-4								
Vinyl chloride	93		91		55-140	2		20
Chloroethane	91		93		55-138	2		20
1,1-Dichloroethene	95		94		61-145	1		20
trans-1,2-Dichloroethene	98		97		70-130	1		20
Trichloroethene	98		99		70-130	1		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	99		99		70-130	0		20
1,4-Dichlorobenzene	99		96		70-130	3		20
Methyl tert butyl ether	94		98		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	97		99		70-130	2		20
1,2,3-Trichloropropane	89		92		64-130	3		20
Acrylonitrile	90		88		70-130	2		20
Styrene	90		95		70-130	5		20
Dichlorodifluoromethane	84		80		36-147	5		20
Acetone	84		92		58-148	9		20
Carbon disulfide	95		94		51-130	1		20
2-Butanone	82		90		63-138	9		20
Vinyl acetate	98		100		70-130	2		20
4-Methyl-2-pentanone	82		93		59-130	13		20
2-Hexanone	80		86		57-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1243719-3 WG1243719-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	94		98		70-130	4		20
1,3-Dichloropropane	96		99		70-130	3		20
1,1,1,2-Tetrachloroethane	98		100		64-130	2		20
Bromobenzene	96		97		70-130	1		20
n-Butylbenzene	96		94		53-136	2		20
sec-Butylbenzene	96		95		70-130	1		20
tert-Butylbenzene	98		94		70-130	4		20
o-Chlorotoluene	98		96		70-130	2		20
p-Chlorotoluene	100		96		70-130	4		20
1,2-Dibromo-3-chloropropane	78		79		41-144	1		20
Hexachlorobutadiene	82		80		63-130	2		20
Isopropylbenzene	97		95		70-130	2		20
p-Isopropyltoluene	96		94		70-130	2		20
Naphthalene	69	Q	74		70-130	7		20
n-Propylbenzene	98		95		69-130	3		20
1,2,3-Trichlorobenzene	73		78		70-130	7		20
1,2,4-Trichlorobenzene	81		82		70-130	1		20
1,3,5-Trimethylbenzene	97		96		64-130	1		20
1,2,4-Trimethylbenzene	97		96		70-130	1		20
1,4-Dioxane	70		134		56-162	63	Q	20
p-Diethylbenzene	95		95		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1243719-3 WG1243719-4								
p-Ethyltoluene	100		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	89		89		70-130	0		20
Ethyl ether	100		97		59-134	3		20
trans-1,4-Dichloro-2-butene	74		79		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	101		98		70-130
Dibromofluoromethane	101		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

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-GWA8-052119 Associated sample(s): 01-09 QC Batch ID: WG1243719-6 WG1243719-7 QC Sample: L1921853-04 Client ID:												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		12	120		70-130	9		20
Chloroform	ND	10	11	110		12	120		70-130	9		20
Carbon tetrachloride	ND	10	12	120		13	130		63-132	8		20
1,2-Dichloropropane	ND	10	11	110		12	120		70-130	9		20
Dibromochloromethane	ND	10	10	100		11	110		63-130	10		20
1,1,2-Trichloroethane	ND	10	10	100		11	110		70-130	10		20
Tetrachloroethene	ND	10	11	110		11	110		70-130	0		20
Chlorobenzene	ND	10	10	100		11	110		75-130	10		20
Trichlorofluoromethane	ND	10	11	110		12	120		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		11	110		70-130	10		20
1,1,1-Trichloroethane	ND	10	11	110		12	120		67-130	9		20
Bromodichloromethane	ND	10	10	100		11	110		67-130	10		20
trans-1,3-Dichloropropene	ND	10	9.3	93		10	100		70-130	7		20
cis-1,3-Dichloropropene	ND	10	9.8	98		11	110		70-130	12		20
1,1-Dichloropropene	ND	10	11	110		12	120		70-130	9		20
Bromoform	ND	10	8.4	84		9.8	98		54-136	15		20
1,1,2,2-Tetrachloroethane	ND	10	9.0	90		9.9	99		67-130	10		20
Benzene	ND	10	11	110		12	120		70-130	9		20
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	9.8	98		10	100		70-130	2		20
Chloromethane	ND	10	13	130		14	140	Q	64-130	7		20
Bromomethane	ND	10	9.8	98		10	100		39-139	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

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-GWA8-052119 Associated sample(s): 01-09 QC Batch ID: WG1243719-6 WG1243719-7 QC Sample: L1921853-04 Client ID:												
Vinyl chloride	ND	10	11	110		12	120		55-140	9		20
Chloroethane	ND	10	10	100		11	110		55-138	10		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Trichloroethene	ND	10	11	110		12	120		70-130	9		20
1,2-Dichlorobenzene	ND	10	9.5	95		10	100		70-130	5		20
1,3-Dichlorobenzene	ND	10	9.7	97		10	100		70-130	3		20
1,4-Dichlorobenzene	ND	10	9.6	96		10	100		70-130	4		20
Methyl tert butyl ether	ND	10	10	100		11	110		63-130	10		20
p/m-Xylene	ND	20	19	95		21	105		70-130	10		20
o-Xylene	ND	20	19	95		21	105		70-130	10		20
cis-1,2-Dichloroethene	ND	10	11	110		12	120		70-130	9		20
Dibromomethane	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichloropropane	ND	10	8.9	89		9.1	91		64-130	2		20
Acrylonitrile	ND	10	10	100		12	120		70-130	18		20
Styrene	ND	20	18	90		20	100		70-130	11		20
Dichlorodifluoromethane	ND	10	9.5	95		10	100		36-147	5		20
Acetone	ND	10	11	110		16	160	Q	58-148	37	Q	20
Carbon disulfide	ND	10	11	110		12	120		51-130	9		20
2-Butanone	ND	10	9.5	95		12	120		63-138	23	Q	20
Vinyl acetate	ND	10	9.6	96		10	100		70-130	4		20
4-Methyl-2-pentanone	ND	10	9.2	92		10	100		59-130	8		20
2-Hexanone	ND	10	9.2	92		11	110		57-130	18		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1921853

Report Date: 07/17/19

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-GWA8-052119 Associated sample(s): 01-09 QC Batch ID: WG1243719-6 WG1243719-7 QC Sample: L1921853-04 Client ID:												
Bromochloromethane	ND	10	12	120		13	130		70-130	8		20
2,2-Dichloropropane	ND	10	10	100		11	110		63-133	10		20
1,2-Dibromoethane	ND	10	9.7	97		11	110		70-130	13		20
1,3-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		11	110		64-130	10		20
Bromobenzene	ND	10	9.8	98		10	100		70-130	2		20
n-Butylbenzene	ND	10	9.2	92		10	100		53-136	8		20
sec-Butylbenzene	ND	10	9.3	93		10	100		70-130	7		20
tert-Butylbenzene	ND	10	9.4	94		10	100		70-130	6		20
o-Chlorotoluene	ND	10	9.4	94		13	130		70-130	32	Q	20
p-Chlorotoluene	ND	10	9.4	94		10	100		70-130	6		20
1,2-Dibromo-3-chloropropane	ND	10	7.3	73		9.0	90		41-144	21	Q	20
Hexachlorobutadiene	ND	10	7.6	76		9.0	90		63-130	17		20
Isopropylbenzene	ND	10	9.4	94		10	100		70-130	6		20
p-Isopropyltoluene	ND	10	9.3	93		10	100		70-130	7		20
Naphthalene	ND	10	7.0	70		8.3	83		70-130	17		20
n-Propylbenzene	ND	10	9.5	95		10	100		69-130	5		20
1,2,3-Trichlorobenzene	ND	10	7.2	72		8.7	87		70-130	19		20
1,2,4-Trichlorobenzene	ND	10	7.7	77		8.8	88		70-130	13		20
1,3,5-Trimethylbenzene	ND	10	9.3	93		10	100		64-130	7		20
1,2,4-Trimethylbenzene	ND	10	9.4	94		10	100		70-130	6		20
1,4-Dioxane	ND	500	ND	0	Q	460	92		56-162	NC	Q	20
p-Diethylbenzene	ND	10	9.1	91		10	100		70-130	9		20

Matrix Spike Analysis*Batch Quality Control***Project Name:** ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19

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): 01-09 QC Batch ID: WG1243719-6 WG1243719-7 QC Sample: L1921853-04 Client ID: PZ-01-GWA8-052119												
p-Ethyltoluene	ND	10	9.4	94		10	100		70-130	6		20
1,2,4,5-Tetramethylbenzene	ND	10	8.4	84		9.4	94		70-130	11		20
Ethyl ether	ND	10	10	100		11	110		59-134	10		20
trans-1,4-Dichloro-2-butene	ND	10	7.0	70		7.9	79		70-130	12		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	101		101		70-130
Toluene-d8	99		97		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Serial_No:07171912:09
Lab Number: L1921853
Report Date: 07/17/19

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(*)
L1921853-01A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-01B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-02A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-02B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-02C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-03A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-03B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-03C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04A1	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04A2	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04B1	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04B2	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04C1	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-04C2	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-05A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-05B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-05C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-06A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-06B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-06C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Serial_No:07171912:09
Lab Number: L1921853
Report Date: 07/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921853-07A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-07B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-07C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-08A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-08B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-08C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-09A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-09B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-09C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-10A	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-10B	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)
L1921853-10C	Vial HCl preserved	A	NA		3.8	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.**Lab Number:** L1921853**Project Number:** 60527976.10**Report Date:** 07/17/19

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: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

- 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.

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.

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 Condensation Product".
- 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.
- 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 Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1921853
Report Date: 07/17/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-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

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Client Information

Client: **AECOM**Address: **250 Apollo Drive
Chelmsford, MA**Phone: **(978) 965-2100**Email: **raimundo.matos@aecom.com**

Additional Project Information:

• May 2019 Groundwater Round
• VOC x SW-846 Method 9260B

Project Information

Project Name: **Endzone, Inc.**Project Location: **Ozone Park, NY**Project #: **60527976.10**Project Manager: **Raimundo Matos**

ALPHA Quote #:

Turn-Around Time

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

Date Due:

Date Rec'd in Lab: **5/23/19**ALPHA Job #: **L1921853**

Report Information - Data Deliverables

☒ ADEx ☒ EMAIL ☒ EDD

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☒ No MA MCP Analytical Methods ☐ Yes ☒ No CT RCP Analytical Methods

☒ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)

☐ Yes ☒ No GW1 Standards (Info Required for Metals & EPH with Targets)

☐ Yes ☒ No NPDES RGP

☒ Other State/ Fed Program **New York**
Criteria **NY6W Quality Standard**

ANALYSIS		SAMPLE INFO	
VOC: ☒ 8260 ☐ 624 ☐ 524.2		Filtration	
SVOC: ☐ ABN ☐ PAH		☐ Field	
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15		☐ Lab to do	
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13		Preservation	
EPH: ☐ Ranges & Targets ☐ Ranges Only		☐ Lab to do	
VPH: ☐ Ranges & Targets ☐ Ranges Only			
☐ PCB ☐ PEST			
TPH: ☐ Quant Only ☐ Fingerprint			

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials															
		Date	Time																	
21853-01	TB-052119	5/21/19	0800	TB		X														2
- 02	MW-201D-GWA8-052119		0850	GW	JKH	X														3
- 03	MW-201D-GWB8-052119		0855	GW	JKH	X														3
- 04	PZ-01-GWA8-052119		1045	GW	JKH	X														9
- 05	PZ-01D-GWA8-052119		1145	GW	JKH	X														3
- 06	PZ-08-GWA8-052119		1350	GW	JKH	X														3
- 07	PZ-09-GWA8-052119		1440	GW	JKH	X														3
- 08	EB-GWC8-052219	5/22/19	0715	EB	JKH	X														3
- 09	PZ-10-GWA8-052219		0820	GW	JKH	X														3
- 10	MW-203-GWA8-052219		0935	GW	JKH	X														3

Container Type

P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encase
D= BOD Bottle

Preservative

A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₅
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type **V**Preservative **B**

Relinquished By:

Date/Time

Received By:

Date/Time

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

August 2019 - Groundwater Data



ANALYTICAL REPORT

Lab Number:	L1938031
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976.10
Report Date:	08/29/19

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: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1938031-01	TB-081919	WATER	OZONE PARK, QUEENS, NY	08/19/19 00:00	08/22/19
L1938031-02	MW-203-GWA9-081919	WATER	OZONE PARK, QUEENS, NY	08/19/19 16:45	08/22/19
L1938031-03	MW-201S-GWA9-082019	WATER	OZONE PARK, QUEENS, NY	08/20/19 09:00	08/22/19
L1938031-04	MW-201D-GWA9-082019	WATER	OZONE PARK, QUEENS, NY	08/20/19 09:50	08/22/19
L1938031-05	MW-201D-GWB9-082019	WATER	OZONE PARK, QUEENS, NY	08/20/19 09:55	08/22/19
L1938031-06	PZ-01D-GWA9-082019	WATER	OZONE PARK, QUEENS, NY	08/20/19 11:20	08/22/19
L1938031-07	PZ-01-GWA9-082019	WATER	OZONE PARK, QUEENS, NY	08/20/19 12:00	08/22/19
L1938031-08	PZ-08-GWA9-082119	WATER	OZONE PARK, QUEENS, NY	08/21/19 08:40	08/22/19
L1938031-09	PZ-09-GWA9-082119	WATER	OZONE PARK, QUEENS, NY	08/21/19 09:35	08/22/19
L1938031-10	PZ-10-GWA9-082119	WATER	OZONE PARK, QUEENS, NY	08/21/19 10:35	08/22/19
L1938031-11	EB-GWC9-082119	WATER	OZONE PARK, QUEENS, NY	08/21/19 15:00	08/22/19

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

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 WG1277433-3/-4 LCS/LCSD recoveries, associated with L1938031-05, -06, -08, -09, -10, and -11, are above the individual acceptance criteria for vinyl acetate (140%/140%), but within the overall method allowances. The results of the associated samples are reported.

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: 08/29/19

ORGANICS

VOLATILES

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-01
 Client ID: TB-081919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/19/19 00:00
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/26/19 15:01
 Analyst: KJD

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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-01**Date Collected:** 08/19/19 00:00**Client ID:** TB-081919**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	1.7	J	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-01**Date Collected:** 08/19/19 00:00**Client ID:** TB-081919**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-02
 Client ID: MW-203-GWA9-081919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/19/19 16:45
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/26/19 15:23
 Analyst: KJD

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	0.72	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	7.3		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-02
 Client ID: MW-203-GWA9-081919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/19/19 16:45
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	7.8		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-02**Date Collected:** 08/19/19 16:45**Client ID:** MW-203-GWA9-081919**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-03
 Client ID: MW-201S-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:00
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/26/19 15:45
 Analyst: KJD

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	23		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-03
 Client ID: MW-201S-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:00
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	5.6		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	1.1	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.1	J	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-03**Date Collected:** 08/20/19 09:00**Client ID:** MW-201S-GWA9-082019**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-04
 Client ID: MW-201D-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:50
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/26/19 16:07
 Analyst: KJD

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	1.1	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	3.6		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-04
 Client ID: MW-201D-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:50
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.0		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-04**Date Collected:** 08/20/19 09:50**Client ID:** MW-201D-GWA9-082019**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-05
 Client ID: MW-201D-GWB9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:55
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 10:41
 Analyst: KJD

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	1.1	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	3.2		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-05
 Client ID: MW-201D-GWB9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 09:55
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	4.2		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	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-05**Date Collected:** 08/20/19 09:55**Client ID:** MW-201D-GWB9-082019**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	118		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-06
 Client ID: PZ-01D-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 11:20
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 11:07
 Analyst: KJD

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	2.1	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	0.58		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-06
 Client ID: PZ-01D-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 11:20
 Date Received: 08/22/19
 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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-06**Date Collected:** 08/20/19 11:20**Client ID:** PZ-01D-GWA9-082019**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	119		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	101		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-07
 Client ID: PZ-01-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 12:00
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/26/19 16:29
 Analyst: KJD

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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-07
 Client ID: PZ-01-GWA9-082019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/20/19 12:00
 Date Received: 08/22/19
 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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-07**Date Collected:** 08/20/19 12:00**Client ID:** PZ-01-GWA9-082019**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-08
 Client ID: PZ-08-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 08:40
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 11:32
 Analyst: KJD

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	0.57		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-08
 Client ID: PZ-08-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 08:40
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.9		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	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-08**Date Collected:** 08/21/19 08:40**Client ID:** PZ-08-GWA9-082119**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	119		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-09
 Client ID: PZ-09-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 09:35
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 11:58
 Analyst: KJD

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	12		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	12		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-09
 Client ID: PZ-09-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 09:35
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	7.2		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	2.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.0	J	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-09**Date Collected:** 08/21/19 09:35**Client ID:** PZ-09-GWA9-082119**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	119		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-10
 Client ID: PZ-10-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 10:35
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 12:24
 Analyst: KJD

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	18		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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-10
 Client ID: PZ-10-GWA9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 10:35
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9.8		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	0.71	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.71	J	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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-10**Date Collected:** 08/21/19 10:35**Client ID:** PZ-10-GWA9-082119**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	122		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-11
 Client ID: EB-GWC9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 15:00
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 08/27/19 12:49
 Analyst: KJD

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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938031-11
 Client ID: EB-GWC9-082119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 08/21/19 15:00
 Date Received: 08/22/19
 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:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**SAMPLE RESULTS****Lab ID:** L1938031-11**Date Collected:** 08/21/19 15:00**Client ID:** EB-GWC9-082119**Date Received:** 08/22/19**Sample Location:** OZONE PARK, QUEENS, NY**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	122		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/19 09:54
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1276950-5					
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
1,1,2,2-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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/19 09:54
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1276950-5					
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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/19 09:54
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07 Batch: WG1276950-5					
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	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130



Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/19 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,08-11 Batch: WG1277433-5					
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
1,1,2,2-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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/19 08:34
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,08-11 Batch: WG1277433-5					
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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/19 08:34
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06,08-11 Batch: WG1277433-5					
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	116		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1276950-3 WG1276950-4								
Methylene chloride	87		90		70-130	3		20
1,1-Dichloroethane	96		94		70-130	2		20
Chloroform	93		91		70-130	2		20
Carbon tetrachloride	96		97		63-132	1		20
1,2-Dichloropropane	94		94		70-130	0		20
Dibromochloromethane	89		88		63-130	1		20
1,1,2-Trichloroethane	89		92		70-130	3		20
Tetrachloroethene	84		84		70-130	0		20
Chlorobenzene	92		92		75-130	0		20
Trichlorofluoromethane	89		87		62-150	2		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	91		89		67-130	2		20
Bromodichloromethane	92		92		67-130	0		20
trans-1,3-Dichloropropene	88		90		70-130	2		20
cis-1,3-Dichloropropene	92		89		70-130	3		20
1,1-Dichloropropene	92		91		70-130	1		20
Bromoform	88		90		54-136	2		20
1,1,2,2-Tetrachloroethane	88		93		67-130	6		20
Benzene	97		95		70-130	2		20
Toluene	92		91		70-130	1		20
Ethylbenzene	93		93		70-130	0		20
Chloromethane	82		82		64-130	0		20
Bromomethane	75		75		39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1276950-3 WG1276950-4								
Vinyl chloride	88		88		55-140	0		20
Chloroethane	90		96		55-138	6		20
1,1-Dichloroethene	91		88		61-145	3		20
trans-1,2-Dichloroethene	89		87		70-130	2		20
Trichloroethene	95		97		70-130	2		20
1,2-Dichlorobenzene	91		94		70-130	3		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	92		91		70-130	1		20
Methyl tert butyl ether	88		90		63-130	2		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	99		100		70-130	1		20
Dibromomethane	86		91		70-130	6		20
1,2,3-Trichloropropane	89		89		64-130	0		20
Acrylonitrile	89		93		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	79		73		36-147	8		20
Acetone	82		83		58-148	1		20
Carbon disulfide	88		91		51-130	3		20
2-Butanone	70		78		63-138	11		20
Vinyl acetate	88		88		70-130	0		20
4-Methyl-2-pentanone	82		80		59-130	2		20
2-Hexanone	78		84		57-130	7		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1276950-3 WG1276950-4								
Bromochloromethane	90		88		70-130	2		20
2,2-Dichloropropane	99		96		63-133	3		20
1,2-Dibromoethane	88		92		70-130	4		20
1,3-Dichloropropane	92		91		70-130	1		20
1,1,1,2-Tetrachloroethane	93		90		64-130	3		20
Bromobenzene	91		98		70-130	7		20
n-Butylbenzene	98		96		53-136	2		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	81		81		70-130	0		20
o-Chlorotoluene	95		96		70-130	1		20
p-Chlorotoluene	93		96		70-130	3		20
1,2-Dibromo-3-chloropropane	83		97		41-144	16		20
Hexachlorobutadiene	96		92		63-130	4		20
Isopropylbenzene	96		95		70-130	1		20
p-Isopropyltoluene	97		96		70-130	1		20
Naphthalene	80		84		70-130	5		20
n-Propylbenzene	98		98		69-130	0		20
1,2,3-Trichlorobenzene	83		87		70-130	5		20
1,2,4-Trichlorobenzene	88		88		70-130	0		20
1,3,5-Trimethylbenzene	96		98		64-130	2		20
1,2,4-Trimethylbenzene	95		96		70-130	1		20
1,4-Dioxane	88		90		56-162	2		20
p-Diethylbenzene	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07 Batch: WG1276950-3 WG1276950-4								
p-Ethyltoluene	97		97		70-130	0		20
1,2,4,5-Tetramethylbenzene	76		78		70-130	3		20
Ethyl ether	88		88		59-134	0		20
trans-1,4-Dichloro-2-butene	85		93		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,08-11 Batch: WG1277433-3 WG1277433-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		120		70-130	9		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	98		96		63-130	2		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	89		84		70-130	6		20
Chlorobenzene	99		97		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	90		89		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	120		110		64-130	9		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,08-11 Batch: WG1277433-3 WG1277433-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		94		70-130	3		20
1,3-Dichlorobenzene	100		95		70-130	5		20
1,4-Dichlorobenzene	100		95		70-130	5		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		99		70-130	1		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	94		92		36-147	2		20
Acetone	120		120		58-148	0		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	130		130		63-138	0		20
Vinyl acetate	140	Q	140	Q	70-130	0		20
4-Methyl-2-pentanone	110		100		59-130	10		20
2-Hexanone	98		93		57-130	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,08-11 Batch: WG1277433-3 WG1277433-4								
Bromochloromethane	95		97		70-130	2		20
2,2-Dichloropropane	110		100		63-133	10		20
1,2-Dibromoethane	98		98		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	99		96		64-130	3		20
Bromobenzene	91		88		70-130	3		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	100		96		70-130	4		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	88		82		41-144	7		20
Hexachlorobutadiene	80		74		63-130	8		20
Isopropylbenzene	100		98		70-130	2		20
p-Isopropyltoluene	100		97		70-130	3		20
Naphthalene	88		86		70-130	2		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	80		79		70-130	1		20
1,2,4-Trichlorobenzene	82		79		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	110		104		56-162	6		20
p-Diethylbenzene	100		95		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06,08-11 Batch: WG1277433-3 WG1277433-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	97		93		70-130	4		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		119		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	106		105		70-130
Dibromofluoromethane	98		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

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): 01-04,07 QC Batch ID: WG1276950-6 WG1276950-7 QC Sample: L1938031-07 Client ID: PZ-01-GWA9-082019												
Methylene chloride	ND	10	9.6	96		9.7	97		70-130	1		20
1,1-Dichloroethane	ND	10	9.6	96		9.5	95		70-130	1		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		9.5	95		70-130	5		20
Tetrachloroethene	ND	10	9.2	92		9.4	94		70-130	2		20
Chlorobenzene	ND	10	9.8	98		9.8	98		75-130	0		20
Trichlorofluoromethane	ND	10	10	100		9.7	97		62-150	3		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	11	110		11	110		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.8	98		9.7	97		70-130	1		20
cis-1,3-Dichloropropene	ND	10	9.6	96		9.6	96		70-130	0		20
1,1-Dichloropropene	ND	10	9.4	94		9.9	99		70-130	5		20
Bromoform	ND	10	10	100		10	100		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.6	96		67-130	4		20
Benzene	ND	10	10	100		11	110		70-130	10		20
Toluene	ND	10	9.9	99		9.5	95		70-130	4		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	8.4	84		8.6	86		64-130	2		20
Bromomethane	ND	10	7.6	76		8.3	83		39-139	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

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): 01-04,07 QC Batch ID: WG1276950-6 WG1276950-7 QC Sample: L1938031-07 Client ID: PZ-01-GWA9-082019												
Vinyl chloride	ND	10	9.6	96		9.9	99		55-140	3		20
Chloroethane	ND	10	10	100		10	100		55-138	0		20
1,1-Dichloroethene	ND	10	9.9	99		9.8	98		61-145	1		20
trans-1,2-Dichloroethene	ND	10	9.7	97		11	110		70-130	13		20
Trichloroethene	ND	10	11	110		10	100		70-130	10		20
1,2-Dichlorobenzene	ND	10	10	100		9.5	95		70-130	5		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		9.9	99		70-130	1		20
Methyl tert butyl ether	ND	10	9.6	96		10	100		63-130	4		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	21	105		20	100		70-130	5		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	11	110		9.9	99		70-130	11		20
1,2,3-Trichloropropane	ND	10	10	100		9.8	98		64-130	2		20
Acrylonitrile	ND	10	8.9	89		9.9	99		70-130	11		20
Styrene	ND	20	21	105		21	105		70-130	0		20
Dichlorodifluoromethane	ND	10	6.9	69		7.3	73		36-147	6		20
Acetone	ND	10	12	120		12	120		58-148	0		20
Carbon disulfide	ND	10	9.6	96		9.7	97		51-130	1		20
2-Butanone	ND	10	9.4	94		8.8	88		63-138	7		20
Vinyl acetate	ND	10	8.3	83		8.4	84		70-130	1		20
4-Methyl-2-pentanone	ND	10	9.6	96		8.8	88		59-130	9		20
2-Hexanone	ND	10	9.7	97		9.7	97		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1938031

Report Date: 08/29/19

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): 01-04,07 QC Batch ID: WG1276950-6 WG1276950-7 QC Sample: L1938031-07 Client ID: PZ-01-GWA9-082019												
Bromochloromethane	ND	10	9.9	99		9.6	96		70-130	3		20
2,2-Dichloropropane	ND	10	9.0	90		8.3	83		63-133	8		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	9.9	99		10	100		70-130	1		20
n-Butylbenzene	ND	10	11	110		10	100		53-136	10		20
sec-Butylbenzene	ND	10	11	110		10	100		70-130	10		20
tert-Butylbenzene	ND	10	9.0	90		8.7	87		70-130	3		20
o-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
p-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.9	99		9.6	96		41-144	3		20
Hexachlorobutadiene	ND	10	11	110		10	100		63-130	10		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
p-Isopropyltoluene	ND	10	10	100		10	100		70-130	0		20
Naphthalene	ND	10	10	100		9.5	95		70-130	5		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	9.7	97		9.5	95		70-130	2		20
1,2,4-Trichlorobenzene	ND	10	9.8	98		9.4	94		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	11	110		10	100		64-130	10		20
1,2,4-Trimethylbenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dioxane	ND	500	500	100		520	104		56-162	4		20
p-Diethylbenzene	ND	10	9.9	99		9.9	99		70-130	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** ENDZONE, INC.**Project Number:** 60527976.10**Lab Number:** L1938031**Report Date:** 08/29/19

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): 01-04,07 QC Batch ID: WG1276950-6 WG1276950-7 QC Sample: L1938031-07 Client ID: PZ-01-GWA9-082019												
p-Ethyltoluene	ND	10	10	100		10	100		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	8.7	87		8.5	85		70-130	2		20
Ethyl ether	ND	10	9.8	98		10	100		59-134	2		20
trans-1,4-Dichloro-2-butene	ND	10	9.7	97		9.7	97		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		106		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	105		93		70-130
Toluene-d8	97		96		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19**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(*)
L1938031-01A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-01B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-02A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-02B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-02C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-03A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-03B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-03C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-04A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-04B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-04C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-05A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-05B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-05C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-06A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-06B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-06C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07A1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07A2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07B1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07B2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Serial_No:08291916:42
Lab Number: L1938031
Report Date: 08/29/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1938031-07C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07C1	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-07C2	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-08A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-08B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-08C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-09A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-09B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-09C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-10A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-10B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-10C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-11A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-11B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L1938031-11C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.**Lab Number:** L1938031**Project Number:** 60527976.10**Report Date:** 08/29/19

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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

- 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.

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.

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.
- 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.
- 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: 60527976.10

Lab Number: L1938031
Report Date: 08/29/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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 15

Published Date: 8/15/2019 9:53:42 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**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.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 8/22/19

ALPHA Job #: L1938031

Project Information

Project Name: Endzone, Inc.
Project Location: Ozone Park, Queens NY
Project #: 60527976.10
Project Manager: Rai Matos
ALPHA Quote #:

Report Information - Data Deliverables

☒ ADEX ☒ EMAIL EDD

Billing Information

☒ Same as Client info PO #:

Client Information

Client: AECOM
Address: 250 Apollo Drive
Chelmsford, MA
Phone: (978) 905-2100
Email: raimundo.matos@aecom.com

Turn-Around Time

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

Additional Project Information:

- August 2019 GW Round
- VOCx SW-846 Method 8260B

Regulatory Requirements & Project Information Requirements

☐ Yes ☒ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☒ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☒ No NPDES RGP
☒ Other State/Fed Program New York Criteria NYGW Quality Standards

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC:	SVOC:	METAL	METAL	EPH: L	VPH: L	PCB	TPH: L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

Container Type

P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative

A= None
B= HCl
C= HNO₃
D= H₂SO₄
E= NaOH
F= MeOH
G= NaHSO₄
H= Na₂S₂O₅
I= Ascorbic Acid
J= NH₄Cl
K= Zn Acetate
O= Other

Container Type V

Preservative B

Relinquished By:

Date/Time

Received By:

Date/Time

[Signature]

8/22/19 12:10

[Signature]

8/22/19 12:10

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)

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ALPHA Job #: L1938031

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

FORM NO: 01-01 (rev. 12-Mar-2012)

November 2019 - Groundwater Data



ANALYTICAL REPORT

Lab Number:	L1956826
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE, INC.
Project Number:	60527976.10
Report Date:	12/02/19

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: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1956826-01	TB-111819	WATER	OZONE PARK, QUEENS, NY	11/18/19 00:00	11/21/19
L1956826-02	MW-203-GWA10-111819	WATER	OZONE PARK, QUEENS, NY	11/18/19 16:45	11/21/19
L1956826-03	PZ-01D-GWA10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 10:15	11/21/19
L1956826-04	PZ-01-GWA10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 11:20	11/21/19
L1956826-05	MW-201S-GWA10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 12:30	11/21/19
L1956826-06	MW-201D-GWA10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 13:15	11/21/19
L1956826-07	MW-201D-GWB10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 13:20	11/21/19
L1956826-08	PZ-08-GWA10-111919	WATER	OZONE PARK, QUEENS, NY	11/19/19 14:55	11/21/19
L1956826-09	PZ-09-GWA10-112019	WATER	OZONE PARK, QUEENS, NY	11/20/19 09:15	11/21/19
L1956826-10	PZ-10-GWA10-112019	WATER	OZONE PARK, QUEENS, NY	11/20/19 10:00	11/21/19
L1956826-11	EB-GWC10-112019	WATER	OZONE PARK, QUEENS, NY	11/20/19 10:20	11/21/19

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

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: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

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 WG1315326-6 MS recovery, performed on L1956826-04, is above the acceptance criteria for naphthalene (140%); however, the associated LCS/LCSD recoveries are within overall method allowances. The WG1315326-6/-7 MS/MSD RPDs, performed on L1956826-04, are outside the acceptance criteria for bromomethane (31%) and naphthalene (33%).

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: 12/02/19

ORGANICS

VOLATILES

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-01
 Client ID: TB-111819
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/18/19 00:00
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 09:35
 Analyst: NLK

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: L1956826

Project Number: 60527976.10

Report Date: 12/02/19

SAMPLE RESULTS

Lab ID: L1956826-01

Date Collected: 11/18/19 00:00

Client ID: TB-111819

Date Received: 11/21/19

Sample Location: OZONE PARK, QUEENS, NY

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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-01**Date Collected:** 11/18/19 00:00**Client ID:** TB-111819**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	82		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	91		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-02
 Client ID: MW-203-GWA10-111819
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/18/19 16:45
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 10:01
 Analyst: NLK

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	0.86	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	9.0		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: L1956826

Project Number: 60527976.10

Report Date: 12/02/19

SAMPLE RESULTS

Lab ID: L1956826-02
 Client ID: MW-203-GWA10-111819
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/18/19 16:45
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9.4		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-02**Date Collected:** 11/18/19 16:45**Client ID:** MW-203-GWA10-111819**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	82		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-03
 Client ID: PZ-01D-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 10:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 10:26
 Analyst: NLK

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	1.1	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	1.3		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-03
 Client ID: PZ-01D-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 10:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.0		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-03**Date Collected:** 11/19/19 10:15**Client ID:** PZ-01D-GWA10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	82		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-04
 Client ID: PZ-01-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 11:20
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 10:51
 Analyst: NLK

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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-04
 Client ID: PZ-01-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 11:20
 Date Received: 11/21/19
 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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-04**Date Collected:** 11/19/19 11:20**Client ID:** PZ-01-GWA10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	84		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: ENDZONE, INC.

Lab Number: L1956826

Project Number: 60527976.10

Report Date: 12/02/19

SAMPLE RESULTS

Lab ID: L1956826-05
 Client ID: MW-201S-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 12:30
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 11:17
 Analyst: NLK

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	34		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-05
 Client ID: MW-201S-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 12:30
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	40		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	2.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.3	J	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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-05**Date Collected:** 11/19/19 12:30**Client ID:** MW-201S-GWA10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	85		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	95		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-06
 Client ID: MW-201D-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 13:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 11:42
 Analyst: NLK

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	0.77	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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-06
 Client ID: MW-201D-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 13:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.3		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-06**Date Collected:** 11/19/19 13:15**Client ID:** MW-201D-GWA10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	83		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-07
 Client ID: MW-201D-GWB10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 13:20
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 12:07
 Analyst: NLK

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	0.75	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: L1956826

Project Number: 60527976.10

Report Date: 12/02/19

SAMPLE RESULTS

Lab ID: L1956826-07
 Client ID: MW-201D-GWB10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 13:20
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	3.2		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	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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-07**Date Collected:** 11/19/19 13:20**Client ID:** MW-201D-GWB10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-08
 Client ID: PZ-08-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 14:55
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 12:32
 Analyst: NLK

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	0.34	J	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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-08
 Client ID: PZ-08-GWA10-111919
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/19/19 14:55
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.2		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	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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-08**Date Collected:** 11/19/19 14:55**Client ID:** PZ-08-GWA10-111919**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	85		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-09
 Client ID: PZ-09-GWA10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 09:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 12:57
 Analyst: NLK

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	11		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	20		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-09
 Client ID: PZ-09-GWA10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 09:15
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	16		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	7.2		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	7.2		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-09**Date Collected:** 11/20/19 09:15**Client ID:** PZ-09-GWA10-112019**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	85		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-10
 Client ID: PZ-10-GWA10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 10:00
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 13:23
 Analyst: NLK

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	14		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-10
 Client ID: PZ-10-GWA10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 10:00
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	9.7		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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-10**Date Collected:** 11/20/19 10:00**Client ID:** PZ-10-GWA10-112019**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	83		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-11
 Client ID: EB-GWC10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 10:20
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/29/19 13:48
 Analyst: NLK

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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS**

Lab ID: L1956826-11
 Client ID: EB-GWC10-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 10:20
 Date Received: 11/21/19
 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:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19**SAMPLE RESULTS****Lab ID:** L1956826-11**Date Collected:** 11/20/19 10:20**Client ID:** EB-GWC10-112019**Date Received:** 11/21/19**Sample Location:** OZONE PARK, QUEENS, NY**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	81		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	91		70-130

Project Name: ENDZONE, INC.

Lab Number: L1956826

Project Number: 60527976.10

Report Date: 12/02/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/29/19 09:10
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1315326-5					
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
1,1,2,2-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: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/29/19 09:10
 Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1315326-5					
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: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/29/19 09:10
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1315326-5					
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	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130



Lab Control Sample Analysis **Batch Quality Control**

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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: WG1315326-3 WG1315326-4								
Methylene chloride	86		82		70-130	5		20
1,1-Dichloroethane	84		84		70-130	0		20
Chloroform	82		80		70-130	2		20
Carbon tetrachloride	80		77		63-132	4		20
1,2-Dichloropropane	91		88		70-130	3		20
Dibromochloromethane	84		83		63-130	1		20
1,1,2-Trichloroethane	80		79		70-130	1		20
Tetrachloroethene	79		78		70-130	1		20
Chlorobenzene	86		84		75-130	2		20
Trichlorofluoromethane	68		66		62-150	3		20
1,2-Dichloroethane	78		74		70-130	5		20
1,1,1-Trichloroethane	74		73		67-130	1		20
Bromodichloromethane	78		78		67-130	0		20
trans-1,3-Dichloropropene	81		80		70-130	1		20
cis-1,3-Dichloropropene	83		80		70-130	4		20
1,1-Dichloropropene	81		79		70-130	3		20
Bromoform	75		75		54-136	0		20
1,1,2,2-Tetrachloroethane	84		83		67-130	1		20
Benzene	87		86		70-130	1		20
Toluene	84		86		70-130	2		20
Ethylbenzene	82		81		70-130	1		20
Chloromethane	82		78		64-130	5		20
Bromomethane	78		77		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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: WG1315326-3 WG1315326-4								
Vinyl chloride	81		79		55-140	3		20
Chloroethane	72		72		55-138	0		20
1,1-Dichloroethene	81		79		61-145	3		20
trans-1,2-Dichloroethene	90		88		70-130	2		20
Trichloroethene	82		81		70-130	1		20
1,2-Dichlorobenzene	92		91		70-130	1		20
1,3-Dichlorobenzene	94		92		70-130	2		20
1,4-Dichlorobenzene	91		89		70-130	2		20
Methyl tert butyl ether	83		82		63-130	1		20
p/m-Xylene	80		80		70-130	0		20
o-Xylene	85		80		70-130	6		20
cis-1,2-Dichloroethene	83		82		70-130	1		20
Dibromomethane	77		75		70-130	3		20
1,2,3-Trichloropropane	81		79		64-130	3		20
Acrylonitrile	90		87		70-130	3		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	66		64		36-147	3		20
Acetone	93		91		58-148	2		20
Carbon disulfide	80		78		51-130	3		20
2-Butanone	92		94		63-138	2		20
Vinyl acetate	86		85		70-130	1		20
4-Methyl-2-pentanone	90		92		59-130	2		20
2-Hexanone	82		81		57-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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: WG1315326-3 WG1315326-4								
Bromochloromethane	88		85		70-130	3		20
2,2-Dichloropropane	86		81		63-133	6		20
1,2-Dibromoethane	82		82		70-130	0		20
1,3-Dichloropropane	80		80		70-130	0		20
1,1,1,2-Tetrachloroethane	82		82		64-130	0		20
Bromobenzene	89		88		70-130	1		20
n-Butylbenzene	89		86		53-136	3		20
sec-Butylbenzene	93		91		70-130	2		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	86		85		70-130	1		20
p-Chlorotoluene	89		88		70-130	1		20
1,2-Dibromo-3-chloropropane	87		91		41-144	4		20
Hexachlorobutadiene	86		83		63-130	4		20
Isopropylbenzene	87		87		70-130	0		20
p-Isopropyltoluene	94		91		70-130	3		20
Naphthalene	100		98		70-130	2		20
n-Propylbenzene	87		85		69-130	2		20
1,2,3-Trichlorobenzene	90		90		70-130	0		20
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	89		87		64-130	2		20
1,2,4-Trimethylbenzene	89		87		70-130	2		20
1,4-Dioxane	110		102		56-162	8		20
p-Diethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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: WG1315326-3 WG1315326-4								
p-Ethyltoluene	97		95		70-130	2		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	86		89		59-134	3		20
trans-1,4-Dichloro-2-butene	89		77		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		81		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	95		93		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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-GWA10-111919 Associated sample(s): 01-11 QC Batch ID: WG1315326-6 WG1315326-7 QC Sample: L1956826-04 Client ID:												
Methylene chloride	ND	10	9.1	91		9.0	90		70-130	1		20
1,1-Dichloroethane	ND	10	9.4	94		9.3	93		70-130	1		20
Chloroform	ND	10	8.8	88		8.7	87		70-130	1		20
Carbon tetrachloride	ND	10	9.1	91		9.3	93		63-132	2		20
1,2-Dichloropropane	ND	10	10	100		9.6	96		70-130	4		20
Dibromochloromethane	ND	10	9.2	92		8.7	87		63-130	6		20
1,1,2-Trichloroethane	ND	10	8.6	86		8.4	84		70-130	2		20
Tetrachloroethene	ND	10	9.0	90		9.2	92		70-130	2		20
Chlorobenzene	ND	10	9.3	93		9.4	94		75-130	1		20
Trichlorofluoromethane	ND	10	7.9	79		8.1	81		62-150	2		20
1,2-Dichloroethane	ND	10	8.4	84		8.0	80		70-130	5		20
1,1,1-Trichloroethane	ND	10	8.6	86		8.5	85		67-130	1		20
Bromodichloromethane	ND	10	8.7	87		8.5	85		67-130	2		20
trans-1,3-Dichloropropene	ND	10	8.6	86		8.2	82		70-130	5		20
cis-1,3-Dichloropropene	ND	10	8.9	89		8.4	84		70-130	6		20
1,1-Dichloropropene	ND	10	9.4	94		9.5	95		70-130	1		20
Bromoform	ND	10	8.3	83		8.0	80		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	10	9.0	90		8.4	84		67-130	7		20
Benzene	ND	10	9.8	98		9.7	97		70-130	1		20
Toluene	ND	10	9.5	95		9.5	95		70-130	0		20
Ethylbenzene	ND	10	9.2	92		9.2	92		70-130	0		20
Chloromethane	ND	10	9.2	92		9.1	91		64-130	1		20
Bromomethane	ND	10	4.3	43		5.9	59		39-139	31	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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-GWA10-111919												
Associated sample(s): 01-11				QC Batch ID: WG1315326-6		WG1315326-7		QC Sample: L1956826-04		Client ID:		
Vinyl chloride	ND	10	9.6	96		9.6	96		55-140	0		20
Chloroethane	ND	10	8.5	85		8.3	83		55-138	2		20
1,1-Dichloroethene	ND	10	9.6	96		9.6	96		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	9.2	92		9.2	92		70-130	0		20
1,2-Dichlorobenzene	ND	10	9.8	98		9.9	99		70-130	1		20
1,3-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,4-Dichlorobenzene	ND	10	9.6	96		9.7	97		70-130	1		20
Methyl tert butyl ether	ND	10	9.2	92		8.4	84		63-130	9		20
p/m-Xylene	ND	20	18	90		18	90		70-130	0		20
o-Xylene	ND	20	19	95		18	90		70-130	5		20
cis-1,2-Dichloroethene	ND	10	9.3	93		9.3	93		70-130	0		20
Dibromomethane	ND	10	8.2	82		7.8	78		70-130	5		20
1,2,3-Trichloropropane	ND	10	8.3	83		8.4	84		64-130	1		20
Acrylonitrile	ND	10	9.8	98		8.8	88		70-130	11		20
Styrene	ND	20	18	90		18	90		70-130	0		20
Dichlorodifluoromethane	ND	10	7.6	76		7.2	72		36-147	5		20
Acetone	ND	10	10	100		9.0	90		58-148	11		20
Carbon disulfide	ND	10	9.0	90		9.0	90		51-130	0		20
2-Butanone	ND	10	9.6	96		7.9	79		63-138	19		20
Vinyl acetate	ND	10	8.7	87		8.2	82		70-130	6		20
4-Methyl-2-pentanone	ND	10	10	100		9.3	93		59-130	7		20
2-Hexanone	ND	10	8.9	89		7.9	79		57-130	12		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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-GWA10-111919 Associated sample(s): 01-11 QC Batch ID: WG1315326-6 WG1315326-7 QC Sample: L1956826-04 Client ID:												
Bromochloromethane	ND	10	9.9	99		9.3	93		70-130	6		20
2,2-Dichloropropane	ND	10	8.3	83		8.2	82		63-133	1		20
1,2-Dibromoethane	ND	10	9.1	91		8.6	86		70-130	6		20
1,3-Dichloropropane	ND	10	8.9	89		8.5	85		70-130	5		20
1,1,1,2-Tetrachloroethane	ND	10	9.1	91		9.0	90		64-130	1		20
Bromobenzene	ND	10	9.7	97		9.6	96		70-130	1		20
n-Butylbenzene	ND	10	9.3	93		9.8	98		53-136	5		20
sec-Butylbenzene	ND	10	10	100		11	110		70-130	10		20
tert-Butylbenzene	ND	10	9.9	99		10	100		70-130	1		20
o-Chlorotoluene	ND	10	9.7	97		10	100		70-130	3		20
p-Chlorotoluene	ND	10	9.5	95		9.7	97		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	9.3	93		8.8	88		41-144	6		20
Hexachlorobutadiene	ND	10	8.9	89		9.6	96		63-130	8		20
Isopropylbenzene	ND	10	9.7	97		10	100		70-130	3		20
p-Isopropyltoluene	ND	10	9.9	99		10	100		70-130	1		20
Naphthalene	ND	10	14	140	Q	10	100		70-130	33	Q	20
n-Propylbenzene	ND	10	9.5	95		9.9	99		69-130	4		20
1,2,3-Trichlorobenzene	ND	10	8.7	87		9.1	91		70-130	4		20
1,2,4-Trichlorobenzene	ND	10	9.2	92		9.6	96		70-130	4		20
1,3,5-Trimethylbenzene	ND	10	9.7	97		9.9	99		64-130	2		20
1,2,4-Trimethylbenzene	ND	10	10	100		9.9	99		70-130	1		20
1,4-Dioxane	ND	500	540	108		550	110		56-162	2		20
p-Diethylbenzene	ND	10	11	110		11	110		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

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: WG1315326-6 WG1315326-7 QC Sample: L1956826-04 Client ID: PZ-01-GWA10-111919												
p-Ethyltoluene	ND	10	11	110		11	110		70-130	0		20
1,2,4,5-Tetramethylbenzene	ND	10	12	120		12	120		70-130	0		20
Ethyl ether	ND	10	9.4	94		9.0	90		59-134	4		20
trans-1,4-Dichloro-2-butene	ND	10	8.4	84		7.6	76		70-130	10		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		80		70-130
4-Bromofluorobenzene	107		107		70-130
Dibromofluoromethane	92		92		70-130
Toluene-d8	99		100		70-130

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Serial_No:12021915:09
Lab Number: L1956826
Report Date: 12/02/19

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(*)
L1956826-01A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-01B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-02A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-02B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-02C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-03A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-03B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-03C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04A1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04A2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04B1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04B2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04C1	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-04C2	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-05A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-05B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-05C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-06A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-06B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-06C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.
Project Number: 60527976.10

Serial_No:12021915:09
Lab Number: L1956826
Report Date: 12/02/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1956826-07A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-07B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-07C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-08A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-08B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-08C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-09A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-09B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-09C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-10A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-10B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-10C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-11A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-11B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)
L1956826-11C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260(14)

Project Name: ENDZONE, INC.**Lab Number:** L1956826**Project Number:** 60527976.10**Report Date:** 12/02/19

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: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

- 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.

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.
- 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.
- 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.)

Report Format: DU Report with 'J' Qualifiers



Project Name: ENDZONE, INC.

Project Number: 60527976.10

Lab Number: L1956826

Report Date: 12/02/19

Data Qualifiers

- 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: 60527976.10

Lab Number: L1956826
Report Date: 12/02/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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.

ID No.:17873

Facility: **Company-wide**

Revision 15

Department: **Quality Assurance**

Published Date: 8/15/2019 9:53:42 AM

Title: **Certificate/Approval Program Summary**

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**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.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

CHAIN OF CUSTODY						PAGE 1 OF 2		Date Rec'd in Lab: 11/21/19		ALPHA Job #: L1956826																			
Project Information						Report Information - Data Deliverables				Billing Information																			
Client Information Client: <u>AECOM</u> Address: <u>250 Apollo Drive</u> <u>Chelmsford, MA</u> Phone: <u>(978) 905-2100</u> Email: <u>raimundo.matos@aecom.com</u> Additional Project Information: • November 2019 GW Round • VOC x SW-846 Method 8260B						Project Information Project Name: <u>Endzone, Inc.</u> Project Location: <u>Ozone Park, Queens, NY</u> Project #: <u>60527976.10</u> Project Manager: <u>Rai Matos</u> ALPHA Quote #: _____ Turn-Around Time ☒ Standard ☐ RUSH (only confirmed if pre-approved) Date Due: _____						Regulatory Requirements & Project Information Requirements ☐ Yes ☒ No MA MCP Analytical Methods ☐ Yes ☒ No CT RCP Analytical Methods ☒ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics) ☐ Yes ☒ No GW1 Standards (Info Required for Metals & EPH with Targets) ☐ Yes ☒ No NPDES RGP ☒ Other <u>State / Fed Program</u> <u>New York</u> Criteria <u>NYGW Quality standards</u>				Billing Information ☒ Same as Client Info PO #: _____													
ANALYSIS VOC: ☒ 8260 ☐ 624 ☐ 524.2 SVOC: ☐ ABN ☐ PAH METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 EPH: ☐ RCRA5 ☐ RCRA8 ☐ PP13 VPH: ☐ Ranges & Targets ☐ Ranges Only ☐ PC8 ☐ PEST TPH: ☐ Quant Only ☐ Fingerprint						SAMPLE INFO Filtration ☐ Field ☐ Lab to do Preservation ☐ Lab to do Sample Comments						TOTAL # BOTTLES																	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler Initials	VOC	SVOC	METALS	EPH	VPH	PC8	TPH	Sample Comments		TOTAL # BOTTLES														
SL 826-01	TB-111819	11-18-19		TB		X									2														
-02	MW-203-GWA10-111819	11-18-19	1645	GW	JKH	X									3														
-03	PZ-01D-GWA10-111919	11-19-19	1015	GW	JKH	X									3														
-04	PZ-01-GWA10-111919	11-19-19	1120	GW	JKH	X							MS/MSD		9														
-05	MW-201S-GWA10-111919	11-19-19	1230	GW	JKH	X									3														
-06	MW-201D-GWA10-111919	11-19-19	1315	GW	JKH	X									3														
-07	MW-201D-GWB10-111919	11-19-19	1320	GW	JKH	X									3														
-08	PZ-08-GWA10-111919	11-19-19	1455	GW	JKH	X									3														
-09	PZ-09-GWA10-112019	11-20-19	0915	GW	JKH	X									3														
-10	PZ-10-GWA10-112019	11-20-19	1000	GW	JKH	X									3														
Container Type P= Plastic A= Amber glass V= Vial G= Glass B= Bacteria cup C= Cube O= Other E= Encore D= BOD Bottle						Preservative 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= Ascorbic Acid J= NH ₄ Cl K= Zn Acetate O= Other						Container Type <u>V</u> Preservative <u>B</u>																	
Relinquished By: <u>[Signature]</u>						Date/Time: <u>11/21/19 1445</u>						Received By: <u>C. Seban</u>						Date/Time: <u>11/21/19 1445</u>						All samples submitted are subject to Alpha's Terms and Conditions. See reverse side. FORM NO: 01-01 (rev. 12-Mar-2012)					

May / June 2019 - Offsite Soil Gas Data



ANALYTICAL REPORT

Lab Number:	L1921871
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	OZONE PARK
Project Number:	60527976.3
Report Date:	05/31/19

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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: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1921871-01	LOC-24-SG-052219	SOIL_VAPOR	QUEENS, NY	05/22/19 14:03	05/23/19
L1921871-02	LOC-26-SG-052219	SOIL_VAPOR	QUEENS, NY	05/22/19 14:17	05/23/19
L1921871-03	LOC-28-SG-052219	SOIL_VAPOR	QUEENS, NY	05/22/19 14:29	05/23/19
L1921871-04	LOC-22-SG-052319	SOIL_VAPOR	QUEENS, NY	05/23/19 10:26	05/23/19
L1921871-05	LOC-25-SG-052319	SOIL_VAPOR	QUEENS, NY	05/23/19 10:37	05/23/19
L1921871-06	LOC-27B-SG-052319	SOIL_VAPOR	QUEENS, NY	05/23/19 10:47	05/23/19
L1921871-07	UNUSED CAN #934	SOIL_VAPOR	QUEENS, NY		05/23/19

Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

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 PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 17, 2019. The canister certification results are provided as an addendum.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 05/31/19

AIR

Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-01
 Client ID: LOC-24-SG-052219
 Sample Location: QUEENS, NY

Date Collected: 05/22/19 14:03
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/28/19 23:51
 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	15.8	0.200	--	84.9	1.07	--		1
Tetrachloroethene	3.82	0.200	--	25.9	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	108		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-02
 Client ID: LOC-26-SG-052219
 Sample Location: QUEENS, NY

Date Collected: 05/22/19 14:17
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/29/19 00:30
 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	0.422	0.200	--	1.67	0.793	--		1
Trichloroethene	27.4	0.200	--	147	1.07	--		1
Tetrachloroethene	4.04	0.200	--	27.4	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	110		60-140
chlorobenzene-d5	111		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-03
 Client ID: LOC-28-SG-052219
 Sample Location: QUEENS, NY

Date Collected: 05/22/19 14:29
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/29/19 01:09
 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	24.2	0.200	--	130	1.07	--		1
Tetrachloroethene	2.22	0.200	--	15.1	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	106		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	115		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-04
 Client ID: LOC-22-SG-052319
 Sample Location: QUEENS, NY

Date Collected: 05/23/19 10:26
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/29/19 01:48
 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	5.36	0.200	--	28.8	1.07	--		1
Tetrachloroethene	1.04	0.200	--	7.05	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	115		60-140
chlorobenzene-d5	112		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-05
 Client ID: LOC-25-SG-052319
 Sample Location: QUEENS, NY

Date Collected: 05/23/19 10:37
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/29/19 02:27
 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	1.80	0.200	--	7.14	0.793	--		1
Trichloroethene	53.6	0.200	--	288	1.07	--		1
Tetrachloroethene	14.1	0.200	--	95.6	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	114		60-140
chlorobenzene-d5	115		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1921871**Report Date:** 05/31/19**SAMPLE RESULTS**

Lab ID: L1921871-06
 Client ID: LOC-27B-SG-052319
 Sample Location: QUEENS, NY

Date Collected: 05/23/19 10:47
 Date Received: 05/23/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 05/29/19 03:44
 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	3.75	0.200	--	14.9	0.793	--		1
Trichloroethene	95.3	0.200	--	512	1.07	--		1
Tetrachloroethene	0.815	0.200	--	5.53	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	112		60-140



Project Name: OZONE PARK

Lab Number: L1921871

Project Number: 60527976.3

Report Date: 05/31/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 05/28/19 14:45

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG1241862-4								
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG1241862-3								
Vinyl chloride	108		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Trichloroethene	99		-		70-130	-		
Tetrachloroethene	106		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1921871

Report Date: 05/31/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1241862-5 QC Sample: L1921871-05 Client ID: LOC-25-SG-052319						
Vinyl chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	1.80	1.76	ppbV	2		25
Trichloroethene	53.6	54.1	ppbV	1		25
Tetrachloroethene	14.1	14.3	ppbV	1		25

Project Name: OZONE PARK

Project Number: 60527976.3

Serial_No:05311912:46
Lab Number: L1921871

Report Date: 05/31/19

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
L1921871-01	LOC-24-SG-052219	0130	Flow 3	05/17/19	292106		-	-	-	Pass	40.0	43.7	9
L1921871-01	LOC-24-SG-052219	2956	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.4	-4.4	-	-	-	-
L1921871-02	LOC-26-SG-052219	0404	Flow 2	05/17/19	292106		-	-	-	Pass	40.0	42.4	6
L1921871-02	LOC-26-SG-052219	1644	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.2	-5.4	-	-	-	-
L1921871-03	LOC-28-SG-052219	0798	Flow 4	05/17/19	292106		-	-	-	Pass	40.0	42.6	6
L1921871-03	LOC-28-SG-052219	2441	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.4	-6.2	-	-	-	-
L1921871-04	LOC-22-SG-052319	0778	Flow 3	05/17/19	292106		-	-	-	Pass	40.0	40.3	1
L1921871-04	LOC-22-SG-052319	2440	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.3	-4.9	-	-	-	-
L1921871-05	LOC-25-SG-052319	0289	Flow 2	05/17/19	292106		-	-	-	Pass	40.0	44.3	10
L1921871-05	LOC-25-SG-052319	2271	6.0L Can	05/17/19	292106	L1919203-03	Pass	-29.2	-2.5	-	-	-	-
L1921871-06	LOC-27B-SG-052319	0365	Flow 5	05/17/19	292106		-	-	-	Pass	40.0	42.9	7
L1921871-06	LOC-27B-SG-052319	1612	6.0L Can	05/17/19	292106	L1919203-03	Pass	-29.1	-3.5	-	-	-	-
L1921871-07	UNUSED CAN #934	0938	Flow 2	05/17/19	292106		-	-	-	Pass	40.0	40.0	0
L1921871-07	UNUSED CAN #934	934	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.3	-29.3	-	-	-	-

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

Lab Number: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/08/19 22:08
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: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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:** L1918937**Project Number:** CANISTER QC BAT**Report Date:** 05/31/19**Air Canister Certification Results**

Lab ID: L1918937-01

Date Collected: 05/07/19 09:00

Client ID: CAN 1853 SHELF 41

Date Received: 05/07/19

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	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	88		60-140



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

Lab Number: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/19 22:08
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1918937
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/09/19 07:55
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: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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:** L1919203**Project Number:** CANISTER QC BAT**Report Date:** 05/31/19**Air Canister Certification Results**

Lab ID: L1919203-03

Date Collected: 05/08/19 09:00

Client ID: CAN 1855 SHELF 33

Date Received: 05/08/19

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	98		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/09/19 07:55
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
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Lab Number: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1919203
Report Date: 05/31/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	96		60-140



Project Name: OZONE PARK**Lab Number:** L1921871**Project Number:** 60527976.3**Report Date:** 05/31/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1921871-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-03A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-04A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-05A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-06A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1921871-07A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

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: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

- 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.

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.

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.

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 Condensation Product".
- 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.
- 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 Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1921871
Report Date: 05/31/19

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 12

Published Date: 10/9/2018 4:58:19 PM

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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**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-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

Client Information

~~Fax:~~ (603) 401-7322 JKH
Cell

Email: raimundo.matos@gecom.com

☒ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☒ TCE, PCE, vinyl chloride, trans-1,2-Dichloroethene,
cis-1,2-Dichloroethene

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

CS

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:	L1925085
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE INC
Project Number:	60527976.10
Report Date:	06/21/19

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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: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1925085-01	LOC-27	SOIL_VAPOR	OZONE PARK, NY	06/08/19 11:20	06/11/19
L1925085-02	COMBINED EFFLUENT	AIR	OZONE PARK, NY	06/08/19 12:00	06/11/19
L1925085-03	UNUSED CAN #2696	SOIL_VAPOR	OZONE PARK, NY		06/11/19
L1925085-04	UNUSED CAN #1519	SOIL_VAPOR	OZONE PARK, NY		06/11/19
L1925085-05	UNUSED CAN #2773	SOIL_VAPOR	OZONE PARK, NY		06/11/19

Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

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: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 17 and June 6, 7, 2019. The canister certification results are provided as an addendum.

L1925085-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L1925085-02 The presence of Acetone could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

L1925085-02: 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: 06/21/19

AIR

Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1925085**Report Date:** 06/21/19**SAMPLE RESULTS**

Lab ID: L1925085-01 D
 Client ID: LOC-27
 Sample Location: OZONE PARK, NY

Date Collected: 06/08/19 11:20
 Date Received: 06/11/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/19/19 23:58
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
trans-1,2-Dichloroethene	1.02	0.500	--	4.04	1.98	--		2.5
cis-1,2-Dichloroethene	66.4	0.500	--	263	1.98	--		2.5
Trichloroethene	246	0.500	--	1320	2.69	--		2.5
Tetrachloroethene	3.58	0.500	--	24.3	3.39	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	72		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	75		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1925085**Report Date:** 06/21/19**SAMPLE RESULTS**

Lab ID: L1925085-02
 Client ID: COMBINED EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 06/08/19 12:00
 Date Received: 06/11/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 06/19/19 22:57
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	0.293	0.200	--	0.605	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	68.6	5.00	--	129	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	1.45	0.500	--	3.56	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	3.54	0.500	--	12.3	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.743	0.500	--	2.19	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1925085**Report Date:** 06/21/19**SAMPLE RESULTS**

Lab ID: L1925085-02
 Client ID: COMBINED EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 06/08/19 12:00
 Date Received: 06/11/19
 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								
Ethyl Acetate	0.530	0.500	--	1.91	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.57	0.200	--	33.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.71	0.200	--	8.66	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	4.49	0.200	--	15.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	8.42	0.200	--	39.3	0.934	--		1
Heptane	7.11	0.200	--	29.1	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	18.6	0.200	--	70.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	3.75	0.200	--	25.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	97.4	0.200	--	423	0.869	--		1



Project Name: ENDZONE INC**Lab Number:** L1925085**Project Number:** 60527976.10**Report Date:** 06/21/19**SAMPLE RESULTS**

Lab ID: L1925085-02
 Client ID: COMBINED EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 06/08/19 12:00
 Date Received: 06/11/19
 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								
p/m-Xylene	386	0.400	--	1680	1.74	--	E	1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	146	0.200	--	634	0.869	--	E	1
4-Ethyltoluene	0.651	0.200	--	3.20	0.983	--		1
1,3,5-Trimethylbenzene	0.656	0.200	--	3.22	0.983	--		1
1,2,4-Trimethylbenzene	2.31	0.200	--	11.4	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	74		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	82		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1925085**Report Date:** 06/21/19**SAMPLE RESULTS**

Lab ID: L1925085-02 D
 Client ID: COMBINED EFFLUENT
 Sample Location: OZONE PARK, NY

Date Collected: 06/08/19 12:00
 Date Received: 06/11/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 06/20/19 16:30

Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	369	1.33	--	1600	5.78	--		3.333
o-Xylene	143	0.667	--	621	2.90	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	115		60-140
chlorobenzene-d5	93		60-140



Project Name: ENDZONE INC

Lab Number: L1925085

Project Number: 60527976.10

Report Date: 06/21/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/19/19 16:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1250635-4								
Propylene	ND	0.500	--	ND	0.861	--		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
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
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



Project Name: ENDZONE INC

Lab Number: L1925085

Project Number: 60527976.10

Report Date: 06/21/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/19/19 16:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1250635-4								
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
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: ENDZONE INC

Lab Number: L1925085

Project Number: 60527976.10

Report Date: 06/21/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/19/19 16:54

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG1250635-4								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: ENDZONE INC

Lab Number: L1925085

Project Number: 60527976.10

Report Date: 06/21/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/19/19 19:16

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 02 Batch: WG1251090-4								
Benzene	ND	0.200	--	ND	0.639	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE INC

Project Number: 60527976.10

Lab Number: L1925085

Report Date: 06/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1250635-3								
Propylene	126		-		70-130	-		
Dichlorodifluoromethane	73		-		70-130	-		
Chloromethane	108		-		70-130	-		
Freon-114	102		-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	112		-		70-130	-		
Ethanol	87		-		40-160	-		
Vinyl bromide	95		-		70-130	-		
Acetone	86		-		40-160	-		
Trichlorofluoromethane	102		-		70-130	-		
Isopropanol	94		-		40-160	-		
1,1-Dichloroethene	102		-		70-130	-		
Tertiary butyl Alcohol	95		-		70-130	-		
Methylene chloride	103		-		70-130	-		
3-Chloropropene	118		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	99		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	101		-		70-130	-		
Vinyl acetate	113		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ENDZONE INC

Project Number: 60527976.10

Lab Number: L1925085

Report Date: 06/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1250635-3								
2-Butanone	106		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	115		-		70-130	-		
1,2-Dichloroethane	105		-		70-130	-		
n-Hexane	120		-		70-130	-		
1,1,1-Trichloroethane	115		-		70-130	-		
Benzene	112		-		70-130	-		
Carbon tetrachloride	114		-		70-130	-		
Cyclohexane	121		-		70-130	-		
1,2-Dichloropropane	121		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	117		-		70-130	-		
Trichloroethene	106		-		70-130	-		
2,2,4-Trimethylpentane	123		-		70-130	-		
Heptane	120		-		70-130	-		
cis-1,3-Dichloropropene	122		-		70-130	-		
4-Methyl-2-pentanone	127		-		70-130	-		
trans-1,3-Dichloropropene	106		-		70-130	-		
1,1,2-Trichloroethane	114		-		70-130	-		
Toluene	100		-		70-130	-		
2-Hexanone	115		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: ENDZONE INC

Project Number: 60527976.10

Lab Number: L1925085

Report Date: 06/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG1250635-3								
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	98		-		70-130	-		
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	101		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
o-Xylene	105		-		70-130	-		
4-Ethyltoluene	102		-		70-130	-		
1,3,5-Trimethylbenzene	102		-		70-130	-		
1,2,4-Trimethylbenzene	108		-		70-130	-		
Benzyl chloride	101		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	99		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	108		-		70-130	-		
Hexachlorobutadiene	106		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: ENDZONE INC

Project Number: 60527976.10

Lab Number: L1925085

Report Date: 06/21/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02 Batch: WG1251090-3								
Benzene	98		-		70-130	-		
Toluene	100		-		70-130	-		
Ethylbenzene	107		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
o-Xylene	109		-		70-130	-		
1,3,5-Trimethylbenzene	114		-		70-130	-		
1,2,4-Trimethylbenzene	113		-		70-130	-		

Project Name: ENDZONE INC

Project Number: 60527976.10

Serial_No:06211916:33
Lab Number: L1925085

Report Date: 06/21/19

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
L1925085-01	LOC-27	0216	Flow 3	06/07/19	293919		-	-	-	Pass	40.0	40.5	1
L1925085-01	LOC-27	2928	6.0L Can	06/07/19	293919	L1921588-01	Pass	-29.1	-8.4	-	-	-	-
L1925085-02	COMBINED EFFLUENT	1053	6.0L Can	05/17/19	292106	L1918937-02	Pass	-29.3	-3.9	-	-	-	-
L1925085-03	UNUSED CAN #2696	2696	6.0L Can	05/17/19	292106	L1919203-03	Pass	-29.3	-5.7	-	-	-	-
L1925085-04	UNUSED CAN #1519	151	2.7L Can	06/06/19	293357	L1923441-02	Pass	-29.2	0.0	-	-	-	-
L1925085-05	UNUSED CAN #2773	2773	6.0L Can	05/17/19	292106	L1918937-01	Pass	-29.3	-2.5	-	-	-	-

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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/08/19 22:08
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: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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:** L1918937**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1918937-01

Date Collected: 05/07/19 09:00

Client ID: CAN 1853 SHELF 41

Date Received: 05/07/19

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	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	88		60-140



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/19 22:08
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-01
Client ID: CAN 1853 SHELF 41
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/08/19 22:47
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: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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:** L1918937**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1918937-02

Date Collected: 05/07/19 09:00

Client ID: CAN 1843 SHELF 42

Date Received: 05/07/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/08/19 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								
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1918937
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1918937-02
Client ID: CAN 1843 SHELF 42
Sample Location:

Date Collected: 05/07/19 09:00
Date Received: 05/07/19
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1919203
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/09/19 07:55
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: L1919203
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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: L1919203
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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**Lab Number:** L1919203**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1919203-03

Date Collected: 05/08/19 09:00

Client ID: CAN 1855 SHELF 33

Date Received: 05/08/19

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								
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:** L1919203**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1919203-03

Date Collected: 05/08/19 09:00

Client ID: CAN 1855 SHELF 33

Date Received: 05/08/19

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	98		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L1919203
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/09/19 07:55
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1919203
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1919203-03
Client ID: CAN 1855 SHELF 33
Sample Location:

Date Collected: 05/08/19 09:00
Date Received: 05/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1919203**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1919203-03

Date Collected: 05/08/19 09:00

Client ID: CAN 1855 SHELF 33

Date Received: 05/08/19

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	105		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 05/22/19 18:06
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
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
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								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
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								
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:** L1921588**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1921588-01

Date Collected: 05/22/19 09:00

Client ID: CAN 1848 SHELF 48

Date Received: 05/22/19

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	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	95		60-140



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 05/22/19 18:06
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1921588
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1921588-01
Client ID: CAN 1848 SHELF 48
Sample Location:

Date Collected: 05/22/19 09:00
Date Received: 05/22/19
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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 06/04/19 08:21
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
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
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								
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
Dibromomethane	ND	0.200	--	ND	1.42	--		1



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
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								
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
o-Xylene	ND	0.200	--	ND	0.869	--		1



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
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								
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:** L1923441**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1923441-02

Date Collected: 06/03/19 16:00

Client ID: CAN 236 SHELF 9

Date Received: 06/04/19

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	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	92		60-140



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 06/04/19 08:21
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1923441
Report Date: 06/21/19

Air Canister Certification Results

Lab ID: L1923441-02
Client ID: CAN 236 SHELF 9
Sample Location:

Date Collected: 06/03/19 16:00
Date Received: 06/04/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1923441**Project Number:** CANISTER QC BAT**Report Date:** 06/21/19**Air Canister Certification Results**

Lab ID: L1923441-02

Date Collected: 06/03/19 16:00

Client ID: CAN 236 SHELF 9

Date Received: 06/04/19

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								
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	86		60-140
bromochloromethane	87		60-140
chlorobenzene-d5	86		60-140



Project Name: ENDZONE INC**Lab Number:** L1925085**Project Number:** 60527976.10**Report Date:** 06/21/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1925085-01A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1925085-02A	Canister - 6 Liter	N/A	NA			Y	Absent		TO15-LL(30)
L1925085-03A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()
L1925085-04A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()
L1925085-05A	Canister - 6 Liter	N/A	NA			Y	Absent		CLEAN-FEE()

Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

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: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

- 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.

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.

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 Condensation Product".
- 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.
- 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 Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1925085
Report Date: 06/21/19

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 12

Published Date: 10/9/2018 4:58:19 PM

Page 1 of 1

Certification Information

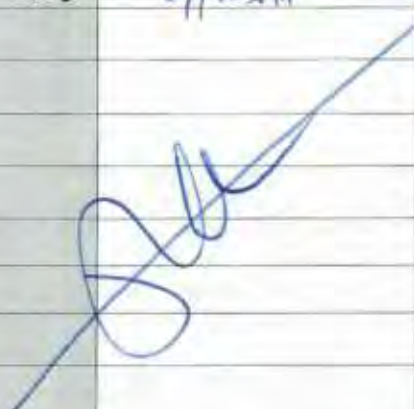
The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-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 _____ OF _____																
320 Forbes Blvd, Mansfield, MA 02048 TEL: 508-822-9300 FAX: 508-822-3288		Date Rec'd in Lab: <u>6/11/19</u> ALPHA Job #: <u>L1925085</u>																
Client Information		Report Information - Data Deliverables																
Client: <u>AE COM</u> Address: <u>250 Apollo Drive</u> <u>Chelmsford, MA</u> Phone: <u>978 4346077</u> Fax: Email: <u>Raimundo.matos@aecon.com</u>		☐ FAX ☒ ADEx Criteria Checker: _____ (Default based on Regulatory Criteria Indicated) Other Formats: ☒ EMAIL (standard pdf report) ☐ Additional Deliverables: Report to: (if different than Project Manager) _____																
Project Information		Billing Information																
Project Name: <u>Endore Inc.</u> Project Location: <u>Ozone Park NY</u> Project #: <u>60527 976-10</u> Project Manager: <u>Raimundo Matos</u> ALPHA Quote #: _____		☒ Same as Client Info PO #: _____																
Turn-Around Time		Regulatory Requirements/Report Limits																
☒ Standard ☐ RUSH (only confirmed if pre-approved) Date Due: _____ Time: _____		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>State/Fed</th> <th>Program</th> <th>Res / Comm</th> </tr> </thead> <tbody> <tr> <td><u>NY</u></td> <td><u>State Standards</u></td> <td></td> </tr> </tbody> </table>		State/Fed	Program	Res / Comm	<u>NY</u>	<u>State Standards</u>										
State/Fed	Program	Res / Comm																
<u>NY</u>	<u>State Standards</u>																	
These samples have been previously analyzed by Alpha Other Project Specific Requirements/Comments: Project-Specific Target Compound List: <u>X</u> <u>→</u>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="background-color: #f2f2f2;">ANALYSIS</th> </tr> </thead> <tbody> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TO-15</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">TO-15 SIM</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">APH</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Fixed Gases</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Sulfides & Mercaptans by TO-15</td> <td style="vertical-align: top;"> <u>TCE, PCE</u> <u>VC, Trans-1,2</u> <u>Dichloroethane,</u> <u>Cis-1,2</u> <u>Dichloroethane</u> </td> </tr> </tbody> </table>		ANALYSIS						TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	<u>TCE, PCE</u> <u>VC, Trans-1,2</u> <u>Dichloroethane,</u> <u>Cis-1,2</u> <u>Dichloroethane</u>			
ANALYSIS																		
TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	<u>TCE, PCE</u> <u>VC, Trans-1,2</u> <u>Dichloroethane,</u> <u>Cis-1,2</u> <u>Dichloroethane</u>													
All Columns Below Must Be Filled Out																		
ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION			Initial Vacuum	Final Vacuum	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														
425085-01	LOC-27	6/8/19	9:20	11:20	-29.1	-6.7	SV	RM	6	2928	0216	X						For Analytes Above <u>Full list</u>
-02	Combined Effluent	6/8/19	12:00	12:00	-29.3	—	AA	RM	6	053	—	X						
																		
*SAMPLE MATRIX CODES		AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify										Container Type		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.				
Relinquished By:		Date/Time		Received By:		Date/Time												
<u>Matos</u> <u>Raimundo Matos</u>		<u>6/11/19 11:50</u> <u>6/11/19 16:00</u> <u>6/11/19 21:02</u>		<u>Raimundo Matos</u> <u>Chelmsford</u> <u>BA</u>		<u>6/11/19 14:25</u> <u>6/11/19 16:10</u> <u>6/11/19 21:02</u>												

August 2019 - Offsite Soil Gas Data



ANALYTICAL REPORT

Lab Number:	L1938221
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	ENDZONE INC
Project Number:	60527976.10
Report Date:	08/29/19

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: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1938221-01	LOC-22-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/20/19 16:13	08/22/19
L1938221-02	LOC-25-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/20/19 16:23	08/22/19
L1938221-03	LOC-27-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/20/19 16:37	08/22/19
L1938221-04	LOC-27B-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/20/19 16:49	08/22/19
L1938221-05	LOC-24-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/21/19 14:02	08/22/19
L1938221-06	LOC-26-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/21/19 14:12	08/22/19
L1938221-07	LOC-28-SG-082019	SOIL_VAPOR	OZONE PARK, NY	08/21/19 14:21	08/22/19
L1938221-08	UNUSED CAN #2486	SOIL_VAPOR	OZONE PARK, NY		08/22/19
L1938221-09	UNUSED CAN #1604	SOIL_VAPOR	OZONE PARK, NY		08/22/19
L1938221-10	UNUSED CAN #2271	SOIL_VAPOR	OZONE PARK, NY		08/22/19
L1938221-11	UNUSED CAN #145	SOIL_VAPOR	OZONE PARK, NY		08/22/19

Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

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: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on August 16, 2019. The canister certification results are provided as an addendum.

L1938221-03, -04, -06 and -07: 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:

 Christopher J. Anderson

Title: Technical Director/Representative

Date: 08/29/19

AIR

Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-01
 Client ID: LOC-22-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/20/19 16:13
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/19 00:04
 Analyst: RY

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	19.3	0.200	--	104	1.07	--		1
Tetrachloroethene	1.54	0.200	--	10.4	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	94		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-02
 Client ID: LOC-25-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/20/19 16:23
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/19 00:36
 Analyst: RY

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	0.280	0.200	--	1.11	0.793	--		1
cis-1,2-Dichloroethene	1.40	0.200	--	5.55	0.793	--		1
Trichloroethene	44.0	0.200	--	236	1.07	--		1
Tetrachloroethene	4.31	0.200	--	29.2	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-03 D
 Client ID: LOC-27-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/20/19 16:37
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 08/29/19 01:06

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	4.41	--	ND	11.3	--		22.05
trans-1,2-Dichloroethene	5.86	4.41	--	23.2	17.5	--		22.05
cis-1,2-Dichloroethene	370	4.41	--	1470	17.5	--		22.05
Trichloroethene	1990	4.41	--	10700	23.7	--		22.05
Tetrachloroethene	9.76	4.41	--	66.2	29.9	--		22.05

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	98		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-04 D
 Client ID: LOC-27B-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/20/19 16:49
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 08/29/19 01:37

Analyst: RY

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	10.8	2.00	--	42.8	7.93	--		10
Trichloroethene	825	2.00	--	4430	10.7	--		10
Tetrachloroethene	4.89	2.00	--	33.2	13.6	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	96		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-05
 Client ID: LOC-24-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/21/19 14:02
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 08/29/19 02:09
 Analyst: RY

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	0.249	0.200	--	0.987	0.793	--		1
Trichloroethene	75.4	0.200	--	405	1.07	--		1
Tetrachloroethene	9.58	0.200	--	65.0	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	97		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-06 D
 Client ID: LOC-26-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/21/19 14:12
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 08/29/19 02:39

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
cis-1,2-Dichloroethene	1.22	0.400	--	4.84	1.59	--		2
Trichloroethene	142	0.400	--	763	2.15	--		2
Tetrachloroethene	9.48	0.400	--	64.3	2.71	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	100		60-140



Project Name: ENDZONE INC**Project Number:** 60527976.10**Lab Number:** L1938221**Report Date:** 08/29/19**SAMPLE RESULTS**

Lab ID: L1938221-07 D
 Client ID: LOC-28-SG-082019
 Sample Location: OZONE PARK, NY

Date Collected: 08/21/19 14:21
 Date Received: 08/22/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil_Vapor

Analytical Method: 48,TO-15

Analytical Date: 08/29/19 06:27

Analyst: RY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.333	--	ND	0.851	--		1.667
trans-1,2-Dichloroethene	ND	0.333	--	ND	1.32	--		1.667
cis-1,2-Dichloroethene	ND	0.333	--	ND	1.32	--		1.667
Trichloroethene	133	0.333	--	715	1.79	--		1.667
Tetrachloroethene	5.27	0.333	--	35.7	2.26	--		1.667

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	100		60-140



Project Name: ENDZONE INC

Lab Number: L1938221

Project Number: 60527976.10

Report Date: 08/29/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 08/28/19 15:22

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: WG1277883-4								
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: 60527976.10

Lab Number: L1938221

Report Date: 08/29/19

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: WG1277883-3								
Vinyl chloride	118		-		70-130	-		
trans-1,2-Dichloroethene	103		-		70-130	-		
cis-1,2-Dichloroethene	112		-		70-130	-		
Trichloroethene	109		-		70-130	-		
Tetrachloroethene	103		-		70-130	-		

Project Name: ENDZONE INC

Project Number: 60527976.10

Serial_No:08291914:56
Lab Number: L1938221

Report Date: 08/29/19

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
L1938221-01	LOC-22-SG-082019	01265	SV20	08/16/19	299538		-	-	-	Pass	18.6	16.1	14
L1938221-01	LOC-22-SG-082019	2025	2.7L Can	08/16/19	299538	L1935283-01	Pass	-29.5	-6.7	-	-	-	-
L1938221-02	LOC-25-SG-082019	01088	SV20	08/16/19	299538		-	-	-	Pass	17.8	15.5	14
L1938221-02	LOC-25-SG-082019	230	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.5	-7.6	-	-	-	-
L1938221-03	LOC-27-SG-082019	01264	SV20	08/16/19	299538		-	-	-	Pass	17.5	15.3	13
L1938221-03	LOC-27-SG-082019	550	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.8	-7.4	-	-	-	-
L1938221-04	LOC-27B-SG-082019	0865	SV20	08/16/19	299538		-	-	-	Pass	18.8	16.3	14
L1938221-04	LOC-27B-SG-082019	257	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.2	-5.1	-	-	-	-
L1938221-05	LOC-24-SG-082019	01096	SV20	08/16/19	299538		-	-	-	Pass	22.0	19.2	14
L1938221-05	LOC-24-SG-082019	329	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.7	-4.4	-	-	-	-
L1938221-06	LOC-26-SG-082019	01240	SV200	08/16/19	299538		-	-	-	Pass	18.5	16.4	12
L1938221-06	LOC-26-SG-082019	342	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.5	-6.5	-	-	-	-
L1938221-07	LOC-28-SG-082019	01143	SV20	08/16/19	299538		-	-	-	Pass	18.1	15.7	14
L1938221-07	LOC-28-SG-082019	247	2.7L Can	08/16/19	299538	L1935283-01	Pass	-29.0	-7.2	-	-	-	-
L1938221-08	UNUSED CAN #2486	2486	6.0L Can	08/16/19	299538	L1935766-03	Pass	-28.9	-28.8	-	-	-	-

Project Name: ENDZONE INC

Project Number: 60527976.10

Serial_No:08291914:56
Lab Number: L1938221

Report Date: 08/29/19

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
L1938221-09	UNUSED CAN #1604	1604	6.0L Can	08/16/19	299538	L1935766-03	Pass	-29.5	-29.7	-	-	-	-
L1938221-10	UNUSED CAN #2271	2271	6.0L Can	08/16/19	299538	L1935416-08	Pass	-29.7	-29.7	-	-	-	-
L1938221-11	UNUSED CAN #145	01141	SV20	08/16/19	299538		-	-	-	Pass	19.0	16.4	15
L1938221-11	UNUSED CAN #145	145	2.7L Can	08/16/19	299538	L1935766-04	Pass	-29.7	-29.8	-	-	-	-

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

Lab Number: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/07/19 17:22
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: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
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: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
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: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
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:** L1935283**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935283-01

Date Collected: 08/06/19 16:00

Client ID: CAN 363 SHELF 1

Date Received: 08/07/19

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	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/07/19 17:22
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1935283
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935283-01
Client ID: CAN 363 SHELF 1
Sample Location:

Date Collected: 08/06/19 16:00
Date Received: 08/07/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1935283**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935283-01

Date Collected: 08/06/19 16:00

Client ID: CAN 363 SHELF 1

Date Received: 08/07/19

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								
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	99		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/09/19 20:15
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: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
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: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
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:** L1935416**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935416-08

Date Collected: 08/08/19 09:00

Client ID: CAN 1546 SHELF 53

Date Received: 08/08/19

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	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140



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

Lab Number: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/09/19 20:15
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1935416
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935416-08
Client ID: CAN 1546 SHELF 53
Sample Location:

Date Collected: 08/08/19 09:00
Date Received: 08/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1935416**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935416-08

Date Collected: 08/08/19 09:00

Client ID: CAN 1546 SHELF 53

Date Received: 08/08/19

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/10/19 18:57
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: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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:** L1935766**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935766-03

Date Collected: 08/08/19 16:00

Client ID: CAN 1609 SHELF 59

Date Received: 08/09/19

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	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	95		60-140



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/10/19 18:57
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-03
Client ID: CAN 1609 SHELF 59
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1935766**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935766-03

Date Collected: 08/08/19 16:00

Client ID: CAN 1609 SHELF 59

Date Received: 08/09/19

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-04
Client ID: CAN 1737 SHELF 8
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 08/10/19 19:37
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: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-04
Client ID: CAN 1737 SHELF 8
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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:** L1935766**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935766-04

Date Collected: 08/08/19 16:00

Client ID: CAN 1737 SHELF 8

Date Received: 08/09/19

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: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-04
Client ID: CAN 1737 SHELF 8
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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:** L1935766**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935766-04

Date Collected: 08/08/19 16:00

Client ID: CAN 1737 SHELF 8

Date Received: 08/09/19

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	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	96		60-140



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-04
Client ID: CAN 1737 SHELF 8
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 08/10/19 19:37
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1935766
Report Date: 08/29/19

Air Canister Certification Results

Lab ID: L1935766-04
Client ID: CAN 1737 SHELF 8
Sample Location:

Date Collected: 08/08/19 16:00
Date Received: 08/09/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1935766**Project Number:** CANISTER QC BAT**Report Date:** 08/29/19**Air Canister Certification Results**

Lab ID: L1935766-04

Date Collected: 08/08/19 16:00

Client ID: CAN 1737 SHELF 8

Date Received: 08/09/19

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								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	96		60-140



Project Name: ENDZONE INC**Lab Number:** L1938221**Project Number:** 60527976.10**Report Date:** 08/29/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1938221-01A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-02A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-03A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-04A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-05A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-06A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-07A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		TO15-LL(30)
L1938221-08A	Canister - 6 Liter	N/A	NA			Y	Present/Intact		CLEAN-FEE()
L1938221-09A	Canister - 6 Liter	N/A	NA			Y	Present/Intact		CLEAN-FEE()
L1938221-10A	Canister - 6 Liter	N/A	NA			Y	Present/Intact		CLEAN-FEE()
L1938221-11A	Canister - 2.7 Liter	N/A	NA			Y	Present/Intact		CLEAN-FEE()

Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

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: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

- 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.

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.

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.
- 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 Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: Data Usability Report



Project Name: ENDZONE INC
Project Number: 60527976.10

Lab Number: L1938221
Report Date: 08/29/19

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 15

Published Date: 8/15/2019 9:53:42 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**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.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



CHAIN OF CUSTODY

AIR ANALYSIS

PAGE 1 OF 1

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

Client Information

Client: **AECOM**
Address: **256 Apollo Drive**
Chelmsford, MA
Phone: **(978) 905-2100**
Fax: **(603) 401-7322** JKH cell
Email: **raimundo.matos@aecom.com**

Project Information

Project Name: **Endzone, Inc.**
Project Location: **Ozone Park, Queens**
Project #: **60527976.11**
Project Manager: **Rai Matos**
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Other Project Specific Requirements/Comments: **August 2019 Round**
Project-Specific Target Compound List: **TCE, PCE, vinyl chloride, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene**

Date Rec'd in Lab: **8/22/19**ALPHA Job #: **L1938221**

Report Information - Data Deliverables

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

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm
NY State Standards

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION										ANALYSIS					Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller						
938221.01	LOC-22-SG-082019	8/20/19	1413	1613	-30.00	-6.16	SV	JKH	2.7	2025	01265	X					
-02	LOC-25-SG-082019	8/20/19	1423	1623	-30.24	-7.05	SV	JKH	2.7	230	01088	X					
-03	LOC-27-SG-082019	8/20/19	1437	1637	-29.72	-6.81	SV	JKH	2.7	550	01264	X					
-04	LOC-27B-SG-082019	8/20/19	1449	1649	-28.20	-4.86	SV	JKH	2.7	257	0865	X					
-05	LOC-24-SG-082119	8/21/19	1202	1402	-29.84	-3.01	SV	JKH	2.7	329	01096	X					
-06	LOC-26-SG-082119	8/21/19	1212	1412	-29.96	-5.42	SV	JKH	2.7	342	01240	X					
-07	LOC-28-SG-082119	8/21/19	1221	1421	-29.90	-6.34	SV	JKH	2.7	247	01143	X					

*SAMPLE MATRIX CODES

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

Container Type

CS

Relinquished By:

Date/Time

Received By:

Date/Time:

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.

November 2019 - Offsite Soil Gas Data



ANALYTICAL REPORT

Lab Number:	L1956097
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	END ZONE, INC.
Project Number:	60527976.11
Report Date:	11/27/19

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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: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1956097-01	LOC-22-SG-112019	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/20/19 14:55	11/21/19
L1956097-02	LOC-25-SG-112019	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/20/19 15:05	11/21/19
L1956097-03	LOC-27-SG-112019	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/20/19 15:13	11/21/19
L1956097-04	LOC-27B-SG-112019	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/20/19 15:21	11/21/19
L1956097-05	LOC-24-SG-112119	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/21/19 10:13	11/21/19
L1956097-06	LOC-26-SG-112119	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/21/19 10:20	11/21/19
L1956097-07	LOC-28-SG-112119	SOIL_VAPOR	OZONE PARK, QUEENS, NY	11/21/19 10:27	11/21/19

Project Name: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

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: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 15, 2019. The canister certification results are provided as an addendum.

L1956097-03,04: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1314249-3 LCS recovery for carbon tetrachloride (138%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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: 11/27/19

AIR

Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-01
 Client ID: LOC-22-SG-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 14:55
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 20:18
 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	3.34	0.200	--	17.9	1.07	--		1
Tetrachloroethene	0.211	0.200	--	1.43	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-02
 Client ID: LOC-25-SG-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 15:05
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 20:58
 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	0.370	0.200	--	1.47	0.793	--		1
Trichloroethene	14.3	0.200	--	76.9	1.07	--		1
Tetrachloroethene	0.367	0.200	--	2.49	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	93		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-03 D
 Client ID: LOC-27-SG-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 15:13
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 21:34
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
trans-1,2-Dichloroethene	3.82	1.00	--	15.1	3.96	--		5
cis-1,2-Dichloroethene	108	1.00	--	428	3.96	--		5
Trichloroethene	395	1.00	--	2120	5.37	--		5
Tetrachloroethene	1.36	1.00	--	9.22	6.78	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-04 D
 Client ID: LOC-27B-SG-112019
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/20/19 15:21
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 22:11
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
cis-1,2-Dichloroethene	3.87	0.400	--	15.3	1.59	--		2
Trichloroethene	167	0.400	--	897	2.15	--		2
Tetrachloroethene	0.836	0.400	--	5.67	2.71	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	90		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-05
 Client ID: LOC-24-SG-112119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/21/19 10:13
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 22:50
 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	8.25	0.200	--	44.3	1.07	--		1
Tetrachloroethene	0.801	0.200	--	5.43	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-06
 Client ID: LOC-26-SG-112119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/21/19 10:20
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/26/19 23:30
 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	0.384	0.200	--	1.52	0.793	--		1
Trichloroethene	41.7	0.200	--	224	1.07	--		1
Tetrachloroethene	1.05	0.200	--	7.12	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140



Project Name: END ZONE, INC.**Project Number:** 60527976.11**Lab Number:** L1956097**Report Date:** 11/27/19**SAMPLE RESULTS**

Lab ID: L1956097-07
 Client ID: LOC-28-SG-112119
 Sample Location: OZONE PARK, QUEENS, NY

Date Collected: 11/21/19 10:27
 Date Received: 11/21/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/27/19 00:09
 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	21.9	0.200	--	118	1.07	--		1
Tetrachloroethene	0.290	0.200	--	1.97	1.36	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	104		60-140



Project Name: END ZONE, INC.**Lab Number:** L1956097**Project Number:** 60527976.11**Report Date:** 11/27/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/26/19 15:20

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: WG1314249-4								
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: END ZONE, INC.

Project Number: 60527976.11

Lab Number: L1956097

Report Date: 11/27/19

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: WG1314249-3								
Vinyl chloride	106		-		70-130	-		
trans-1,2-Dichloroethene	101		-		70-130	-		
cis-1,2-Dichloroethene	106		-		70-130	-		
Trichloroethene	103		-		70-130	-		
Tetrachloroethene	81		-		70-130	-		

Project Name: END ZONE, INC.

Serial_No:11271913:54
Lab Number: L1956097

Project Number: 60527976.11

Report Date: 11/27/19

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
L1956097-01	LOC-22-SG-112019	01336	SV20	11/15/19	307395		-	-	-	Pass	16.7	14.3	15
L1956097-01	LOC-22-SG-112019	3202	2.7L Can	11/15/19	307395	L1950411-09	Pass	-29.6	-7.2	-	-	-	-
L1956097-02	LOC-25-SG-112019	01344	SV20	11/15/19	307395		-	-	-	Pass	18.1	15.7	14
L1956097-02	LOC-25-SG-112019	2071	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.6	-5.6	-	-	-	-
L1956097-03	LOC-27-SG-112019	01342	SV20	11/15/19	307395		-	-	-	Pass	16.3	14.0	15
L1956097-03	LOC-27-SG-112019	3239	2.7L Can	11/15/19	307395	L1952043-07	Pass	-29.6	-7.5	-	-	-	-
L1956097-04	LOC-27B-SG-112019	0901	SV20	11/15/19	307395		-	-	-	Pass	18.6	15.0	21
L1956097-04	LOC-27B-SG-112019	2878	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.6	-6.0	-	-	-	-
L1956097-05	LOC-24-SG-112119	01240	SV20	11/15/19	307395		-	-	-	Pass	19.2	16.2	17
L1956097-05	LOC-24-SG-112119	3198	2.7L Can	11/15/19	307395	L1950411-06	Pass	-29.6	-4.4	-	-	-	-
L1956097-06	LOC-26-SG-112119	01333	SV20	11/15/19	307395		-	-	-	Pass	16.4	14.1	15
L1956097-06	LOC-26-SG-112119	2176	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.6	-6.8	-	-	-	-
L1956097-07	LOC-28-SG-112119	01335	SV20	11/15/19	307395		-	-	-	Pass	19.0	16.2	16
L1956097-07	LOC-28-SG-112119	2686	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.5	-4.2	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/01/19 20:56
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	6.01	5.00	--	7.88	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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:

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

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1950411-06

Client ID: CAN 3198

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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	90		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/01/19 20:56
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-06
Client ID: CAN 3198
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
n-Butylbenzene	ND	0.500	--	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	86		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/01/19 22:53
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:

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

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1950411-09

Client ID: CAN 3202

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1950411-09

Client ID: CAN 3202

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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	89		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/01/19 22:53
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1950411-09
Client ID: CAN 3202
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
n-Butylbenzene	ND	0.500	--	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	85		60-140
bromochloromethane	82		60-140
chlorobenzene-d5	86		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
Client ID: CAN 3239
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/09/19 00:53
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	9.59	5.00	--	12.6	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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
Client ID: CAN 3239
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
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
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		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
1,1,1-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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1952043-07

Client ID: CAN 3239

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
Client ID: CAN 3239
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1952043-07

Date Collected: 11/01/19 16:00

Client ID: CAN 3239

Date Received: 11/04/19

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	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
Client ID: CAN 3239
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/09/19 00:53
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
Client ID: CAN 3239
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1952043-07
 Client ID: CAN 3239
 Sample Location:

Date Collected: 11/01/19 16:00
 Date Received: 11/04/19
 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								
n-Butylbenzene	ND	0.500	--	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	95		60-140
chlorobenzene-d5	98		60-140



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

Lab Number: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/08/19 21:14
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: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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:** L1953232**Project Number:** CANISTER QC BAT**Report Date:** 11/27/19**Air Canister Certification Results**

Lab ID: L1953232-05

Date Collected: 11/07/19 16:00

Client ID: CAN 2994 SHELF 2

Date Received: 11/08/19

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	79		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



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

Lab Number: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/08/19 21:14
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1953232
Report Date: 11/27/19

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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								
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	78		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140



Project Name: END ZONE, INC.**Lab Number:** L1956097**Project Number:** 60527976.11**Report Date:** 11/27/19**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(*)
L1956097-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1956097-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30)

Project Name: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

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: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

- 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.

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.
- 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 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.

Report Format: Data Usability Report



Project Name: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

Data Qualifiers

RE - Analytical results are from sample re-extraction.
S - Analytical results are from modified screening analysis.

Project Name: END ZONE, INC.
Project Number: 60527976.11

Lab Number: L1956097
Report Date: 11/27/19

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 15

Published Date: 8/15/2019 9:53:42 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**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.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B, SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

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

Client Information

Client: **AECOM**
Address: **250 Apollo Drive**
Chelmsford, MA
Phone: **(978) 905-2100**
Fax: **(603) 401-7322 JKH Cell**
Email: **raimundo.matos@aecom.com**

☒ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments: **November 2019 Round**

Project-Specific Target Compound List: ☒ **TCE, PCE, vinyl chloride, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene**

Project Information

Project Name: **Endzone, Inc.**
Project Location: **Ozone Park, Queens, NY**
Project #: **60527976.11**
Project Manager: **Rai Matos**
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Date Rec'd in Lab: **11/21/19**

Report Information - Data Deliverables

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

ALPHA Job #: **L1956097**

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm
NY State Standards

ANALYSIS

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											
56097-01	LOC-22-SG-112019	11-20-19	1255	1455	-30.45	-8.88	SV	JKH	2.7L	3202	1336	X					
-02	LOC-25-SG-112019	11-20-19	1305	1505	-30.30	-7.17	SV	JKH	2.7L	2071	1344	X					
-03	LOC-27-SG-112019	11-20-19	1313	1513	-30.20	-9.28	SV	JKH	2.7L	3239	1342	X					
-04	LOC-27B-SG-112019	11-20-19	1321	1521	-31.05	-7.91	SV	JKH	2.7L	2878	0901	X					
-05	LOC-24-SG-112119	11-21-19	0813	1013	-30.51	-6.48	SV	JKH	2.7L	3198	1240	X					
-06	LOC-26-SG-112119	11-21-19	0820	1020	-30.77	-8.98	SV	JKH	2.7L	2176	1333	X					
-07	LOC-28-SG-112119	11-21-19	0827	1027	-30.57	-6.23	SV	JKH	2.7L	2686	1335	X					
*SAMPLE MATRIX CODES		AA = Ambient Air (Indoor/Outdoor) SV = Soil Vapor/Landfill Gas/SVE Other = Please Specify															
		Container Type															

Relinquished By:

Date/Time

Received By:

Date/Time:

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.

December 2019 - Onsite Ambient Air and Soil Gas Vapor Data



ANALYTICAL REPORT

Lab Number:	L1961615
Client:	AECOM 250 Apollo Dr. Chelmsford, MA 01824
ATTN:	Raimundo Matos
Phone:	(978) 905-2100
Project Name:	OZONE PARK
Project Number:	60527976.3
Report Date:	01/03/20

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).

Six Park Row, Mansfield, MA 02048
508-261-7467 (Fax) -- -- - emccarter@mansfieldma.com



Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1961615-01	BAY8A-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:48	12/24/19
L1961615-02	BAY8B-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:24	12/24/19
L1961615-03	BAY10-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:10	12/24/19
L1961615-04	BAY11-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:11	12/24/19
L1961615-05	BAY12-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 14:41	12/24/19
L1961615-06	BAY13-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:13	12/24/19
L1961615-07	BAY14-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:15	12/24/19
L1961615-08	BAY15-INDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:20	12/24/19
L1961615-09	100THSTREET- OUTDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:50	12/24/19
L1961615-10	99THSTREET- OUTDOORAIR_122319	AIR	QUEENS, NY	12/23/19 16:38	12/24/19
L1961615-11	MP-15S-SOILGAS_122319	SOIL_VAPOR	QUEENS, NY	12/23/19 17:10	12/24/19
L1961615-12	MP-12S-SOILGAS_122319	SOIL_VAPOR	QUEENS, NY	12/23/19 17:05	12/24/19
L1961615-13	MP-8S-SOILGAS_122319	SOIL_VAPOR	QUEENS, NY	12/23/19 17:01	12/24/19
L1961615-14	UNUSED CAN #467	SOIL_VAPOR	QUEENS, NY		12/24/19
L1961615-15	UNUSED CAN #2248	SOIL_VAPOR	QUEENS, NY		12/24/19
L1961615-16	UNUSED CAN #2870	SOIL_VAPOR	QUEENS, NY		12/24/19

Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1961615
Report Date: 01/03/20

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 PARK
Project Number: 60527976.3

Lab Number: L1961615
Report Date: 01/03/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 15, 2019. The canister certification results are provided as an addendum.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 01/03/20

AIR

Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-01
 Client ID: BAY8A-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:48
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/20 21:11
 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	0.020	--	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	0.047	0.020	--	0.253	0.107	--		1
Tetrachloroethene	0.242	0.020	--	1.64	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-02
 Client ID: BAY8B-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:24
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/20 21:51
 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	0.047	0.020	--	0.253	0.107	--		1
Tetrachloroethene	0.505	0.020	--	3.42	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-03
 Client ID: BAY10-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:10
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/20 22:30
 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	0.206	0.020	--	1.40	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-04
 Client ID: BAY11-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:11
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/02/20 23:50
 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	0.214	0.020	--	1.45	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-05
 Client ID: BAY12-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 14:41
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/20 00:30
 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	0.131	0.020	--	0.888	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-06
 Client ID: BAY13-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:13
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/20 01:09
 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	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	0.235	0.020	--	1.59	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-07
 Client ID: BAY14-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:15
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/20 01:49
 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	0.234	0.020	--	1.59	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-08
 Client ID: BAY15-INDOORAIR_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:20
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 01/03/20 02:28
 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	0.174	0.020	--	1.18	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-09

Client ID: 100THSTREET-OUTDOORAIR_122319

Sample Location: QUEENS, NY

Date Collected: 12/23/19 16:50

Date Received: 12/24/19

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/02/20 17:52

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	0.020	--	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	0.215	0.020	--	1.46	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS****Lab ID:** L1961615-10**Client ID:** 99THSTREET-OUTDOORAIR_122319**Sample Location:** QUEENS, NY**Date Collected:** 12/23/19 16:38**Date Received:** 12/24/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Air**Analytical Method:** 48,TO-15-SIM**Analytical Date:** 01/02/20 18:33**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	0.058	0.020	--	0.230	0.079	--		1
Trichloroethene	0.032	0.020	--	0.172	0.107	--		1
Tetrachloroethene	0.138	0.020	--	0.936	0.136	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-11
 Client ID: MP-15S-SOILGAS_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 17:10
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 01/03/20 03:08
 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	0.260	0.200	--	1.03	0.793	--		1
Trichloroethene	0.580	0.200	--	3.12	1.07	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-12
 Client ID: MP-12S-SOILGAS_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 17:05
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 01/03/20 03:47
 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	6.60	0.200	--	35.5	1.07	--		1
Tetrachloroethene	0.217	0.200	--	1.47	1.36	--		1

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



Project Name: OZONE PARK**Project Number:** 60527976.3**Lab Number:** L1961615**Report Date:** 01/03/20**SAMPLE RESULTS**

Lab ID: L1961615-13
 Client ID: MP-8S-SOILGAS_122319
 Sample Location: QUEENS, NY

Date Collected: 12/23/19 17:01
 Date Received: 12/24/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 01/03/20 04:27
 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	0.511	0.200	--	2.03	0.793	--		1
Trichloroethene	1.94	0.200	--	10.4	1.07	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1

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



Project Name: OZONE PARK

Lab Number: L1961615

Project Number: 60527976.3

Report Date: 01/03/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/02/20 14:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,11-13 Batch: WG1326491-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1



Project Name: OZONE PARK

Lab Number: L1961615

Project Number: 60527976.3

Report Date: 01/03/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/02/20 14:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,11-13 Batch: WG1326491-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1



Project Name: OZONE PARK

Lab Number: L1961615

Project Number: 60527976.3

Report Date: 01/03/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 01/02/20 14:55

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08,11-13 Batch: WG1326491-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: OZONE PARK

Lab Number: L1961615

Project Number: 60527976.3

Report Date: 01/03/20

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 01/02/20 15:34

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-10 Batch: WG1326492-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,11-13 Batch: WG1326491-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	79		-		70-130	-		
Freon-114	89		-		70-130	-		
Vinyl chloride	86		-		70-130	-		
1,3-Butadiene	90		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	82		-		70-130	-		
Ethanol	93		-		40-160	-		
Vinyl bromide	75		-		70-130	-		
Acetone	69		-		40-160	-		
Trichlorofluoromethane	86		-		70-130	-		
Isopropanol	68		-		40-160	-		
1,1-Dichloroethene	90		-		70-130	-		
Tertiary butyl Alcohol	83		-		70-130	-		
Methylene chloride	84		-		70-130	-		
3-Chloropropene	80		-		70-130	-		
Carbon disulfide	77		-		70-130	-		
Freon-113	82		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	92		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,11-13 Batch: WG1326491-3								
Ethyl Acetate	93		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	109		-		70-130	-		
Benzene	107		-		70-130	-		
Carbon tetrachloride	116		-		70-130	-		
Cyclohexane	108		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	115		-		70-130	-		
1,4-Dioxane	105		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	112		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	97		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	88		-		70-130	-		
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	99		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08,11-13 Batch: WG1326491-3								
Tetrachloroethene	88		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	94		-		70-130	-		
Bromoform	100		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	103		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	101		-		70-130	-		
1,3,5-Trimethylbenzene	79		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	103		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
1,2,4-Trichlorobenzene	113		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-10 Batch: WG1326492-3								
Vinyl chloride	79		-		70-130	-		25
trans-1,2-Dichloroethene	86		-		70-130	-		25
cis-1,2-Dichloroethene	89		-		70-130	-		25
Trichloroethene	94		-		70-130	-		25
Tetrachloroethene	87		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
- Associated sample(s): 01-08,11-13 QC Batch ID: WG1326491-5 QC Sample: L1961615-03 Client ID: BAY10-INDOORAIR_122319						
Dichlorodifluoromethane	0.484	0.468	ppbV	3		25
Chloromethane	0.456	0.484	ppbV	6		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	10.4	11.2	ppbV	7		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	2.40	2.40	ppbV	0		25
Trichlorofluoromethane	0.215	0.214	ppbV	0		25
Isopropanol	0.839	0.830	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1961615

Report Date: 01/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
- Associated sample(s): 01-08,11-13 QC Batch ID: WG1326491-5 QC Sample: L1961615-03 Client ID: BAY10-INDOORAIR_122319						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	1.03	1.03	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.391	0.387	ppbV	1		25
Benzene	0.593	0.593	ppbV	0		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	0.271	0.276	ppbV	2		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	1.92	1.98	ppbV	3		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: OZONE PARK

Project Number: 60527976.3

Lab Number: L1961615

Report Date: 01/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
- Associated sample(s): 01-08,11-13 QC Batch ID: WG1326491-5 QC Sample: L1961615-03 Client ID: BAY10-INDOORAIR_122319						
p/m-Xylene	0.490	0.497	ppbV	1		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.223	0.228	ppbV	2		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1326492-5 QC Sample: L1961615-03 Client ID: BAY10-INDOORAIR_122319						
Vinyl chloride	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.206	0.218	ppbV	6		25

Project Name: OZONE PARK

Project Number: 60527976.3

Serial_No:01032016:26
Lab Number: L1961615

Report Date: 01/03/20

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
L1961615-01	BAY8A-INDOORAIR_122319	01530	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	4.8	6
L1961615-01	BAY8A-INDOORAIR_122319	191B	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.5	-4.6	-	-	-	-
L1961615-02	BAY8B-INDOORAIR_122319	01525	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	4.6	2
L1961615-02	BAY8B-INDOORAIR_122319	2995	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.4	-4.6	-	-	-	-
L1961615-03	BAY10-INDOORAIR_122319	0702	Flow 5	11/15/19	307395		-	-	-	Pass	4.5	4.3	5
L1961615-03	BAY10-INDOORAIR_122319	3169	2.7L Can	11/15/19	307395	L1952043-10	Pass	-29.6	-2.5	-	-	-	-
L1961615-04	BAY11-INDOORAIR_122319	0084	Flow 5	11/15/19	307395		-	-	-	Pass	4.5	4.7	4
L1961615-04	BAY11-INDOORAIR_122319	3238	2.7L Can	11/15/19	307395	L1952043-08	Pass	-29.6	-4.4	-	-	-	-
L1961615-05	BAY12-INDOORAIR_122319	01169	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	4.5	0
L1961615-05	BAY12-INDOORAIR_122319	357	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.5	-3.0	-	-	-	-
L1961615-06	BAY13-INDOORAIR_122319	01576	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	4.4	2
L1961615-06	BAY13-INDOORAIR_122319	3166	2.7L Can	11/15/19	307395	L1950411-07	Pass	-29.6	-6.2	-	-	-	-
L1961615-07	BAY14-INDOORAIR_122319	0731	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	4.7	4
L1961615-07	BAY14-INDOORAIR_122319	3179	2.7L Can	11/15/19	307395	L1950411-04	Pass	-29.6	-4.3	-	-	-	-
L1961615-08	BAY15-INDOORAIR_122319	0635	Flow 5	11/15/19	307395		-	-	-	Pass	4.5	4.7	4

Project Name: OZONE PARK

Project Number: 60527976.3

Serial_No:01032016:26
Lab Number: L1961615

Report Date: 01/03/20

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
L1961615-08	BAY15-INDOORAIR_122319	1732	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.5	-5.4	-	-	-	-
L1961615-09	100THSTREET-OUTDOORAIR_122319	01565	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	5.0	11
L1961615-09	100THSTREET-OUTDOORAIR_122319	3200	2.7L Can	11/15/19	307395	L1950411-03	Pass	-29.6	-2.8	-	-	-	-
L1961615-10	99THSTREET-OUTDOORAIR_122319	01577	Flow 4	11/15/19	307395		-	-	-	Pass	4.5	3.9	14
L1961615-10	99THSTREET-OUTDOORAIR_122319	233	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.6	-9.6	-	-	-	-
L1961615-11	MP-15S-SOILGAS_122319	01016	Flow 2	11/15/19	307395		-	-	-	Pass	72	74	3
L1961615-11	MP-15S-SOILGAS_122319	482	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.4	-5.1	-	-	-	-
L1961615-12	MP-12S-SOILGAS_122319	01506	Flow 2	11/15/19	307395		-	-	-	Pass	72	78	8
L1961615-12	MP-12S-SOILGAS_122319	2045	2.7L Can	11/15/19	307395	L1953232-09	Pass	-28.0	-3.4	-	-	-	-
L1961615-13	MP-8S-SOILGAS_122319	0303	Flow 2	11/15/19	307395		-	-	-	Pass	72	71	1
L1961615-13	MP-8S-SOILGAS_122319	2185	2.7L Can	11/15/19	307395	L1953232-09	Pass	-29.7	-3.4	-	-	-	-
L1961615-14	UNUSED CAN #467	01013	Flow 2	11/15/19	307395		-	-	-	Pass	72	79	9
L1961615-14	UNUSED CAN #467	467	2.7L Can	11/15/19	307395	L1953232-09	Pass	-29.4	-27.6	-	-	-	-
L1961615-15	UNUSED CAN #2248	0343	Flow 2	11/15/19	307395		-	-	-	Pass	72	77	7
L1961615-15	UNUSED CAN #2248	2248	2.7L Can	11/15/19	307395	L1953232-09	Pass	-28.1	-1.8	-	-	-	-

Project Name: OZONE PARK

Project Number: 60527976.3

Serial_No:01032016:26
Lab Number: L1961615

Report Date: 01/03/20

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
L1961615-16	UNUSED CAN #2870	2870	2.7L Can	11/15/19	307395	L1953232-05	Pass	-29.4	-29.2	-	-	-	-

Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-03
Client ID: CAN 3200
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/01/19 18:59
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-03
Client ID: CAN 3200
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:

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

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-03
Client ID: CAN 3200
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results****Lab ID:** L1950411-03**Date Collected:** 10/18/19 09:00**Client ID:** CAN 3200**Date Received:** 10/22/19**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								
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-03

Client ID: CAN 3200

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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	90		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-03
Client ID: CAN 3200
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/01/19 18:59
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-03
Client ID: CAN 3200
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-03

Client ID: CAN 3200

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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								
n-Butylbenzene	ND	0.500	--	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	87		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-04
Client ID: CAN 3179
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/01/19 19:38
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-04
Client ID: CAN 3179
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:

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

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-04
Client ID: CAN 3179
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-04
Client ID: CAN 3179
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-04

Client ID: CAN 3179

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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	89		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-04
Client ID: CAN 3179
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/01/19 19:38
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-04

Client ID: CAN 3179

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-04

Client ID: CAN 3179

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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								
n-Butylbenzene	ND	0.500	--	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	86		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	86		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-07
Client ID: CAN 3166
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/01/19 21:35
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	9.20	5.00	--	12.1	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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-07
Client ID: CAN 3166
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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	0.200	--	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	0.200	--	ND	0.793	--		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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-07
Client ID: CAN 3166
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results****Lab ID:** L1950411-07**Date Collected:** 10/18/19 09:00**Client ID:** CAN 3166**Date Received:** 10/22/19**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								
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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-07

Client ID: CAN 3166

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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	89		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	88		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-07
Client ID: CAN 3166
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/01/19 21:35
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1950411
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1950411-07
Client ID: CAN 3166
Sample Location:

Date Collected: 10/18/19 09:00
Date Received: 10/22/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1950411**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1950411-07

Client ID: CAN 3166

Sample Location:

Date Collected: 10/18/19 09:00

Date Received: 10/22/19

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								
n-Butylbenzene	ND	0.500	--	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	87		60-140
bromochloromethane	83		60-140
chlorobenzene-d5	87		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-08
Client ID: CAN 3238
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/09/19 01:35
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-08
Client ID: CAN 3238
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
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
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		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
1,1,1-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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-08

Client ID: CAN 3238

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-08

Client ID: CAN 3238

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-08

Client ID: CAN 3238

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-08
Client ID: CAN 3238
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/09/19 01:35
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-08

Client ID: CAN 3238

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-08

Client ID: CAN 3238

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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								
n-Butylbenzene	ND	0.500	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

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



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-10
Client ID: CAN 3169
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/09/19 03:00
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: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-10
Client ID: CAN 3169
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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
Xylenes, Total	ND	0.200	--	ND	0.869	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
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
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		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
1,1,1-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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-10

Client ID: CAN 3169

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-10

Client ID: CAN 3169

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-10

Client ID: CAN 3169

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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	101		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	103		60-140



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-10
Client ID: CAN 3169
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/09/19 03:00
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	0.500	--	ND	0.500	--		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
Acetone	ND	2.00	--	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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: INDIV. CANISTER CERTIFICATION
Project Number: CANISTER QC INDIV

Lab Number: L1952043
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1952043-10
Client ID: CAN 3169
Sample Location:

Date Collected: 11/01/19 16:00
Date Received: 11/04/19
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								
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	0.500	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.500	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: INDIV. CANISTER CERTIFICATION**Lab Number:** L1952043**Project Number:** CANISTER QC INDIV**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1952043-10

Client ID: CAN 3169

Sample Location:

Date Collected: 11/01/19 16:00

Date Received: 11/04/19

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								
n-Butylbenzene	ND	0.500	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	101		60-140



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/08/19 21:14
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: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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:** L1953232**Project Number:** CANISTER QC BAT**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1953232-05

Date Collected: 11/07/19 16:00

Client ID: CAN 2994 SHELF 2

Date Received: 11/08/19

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	79		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/08/19 21:14
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-05
Client ID: CAN 2994 SHELF 2
Sample Location:

Date Collected: 11/07/19 16:00
Date Received: 11/08/19
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								
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	78		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	82		60-140



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/08/19 23:50
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: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
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: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
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: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
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:** L1953232**Project Number:** CANISTER QC BAT**Report Date:** 01/03/20**Air Canister Certification Results**

Lab ID: L1953232-09

Date Collected: 11/08/19 09:00

Client ID: CAN 532 SHELF 4

Date Received: 11/08/19

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	77		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	79		60-140



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/08/19 23:50
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
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
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
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								
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
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1953232
Report Date: 01/03/20

Air Canister Certification Results

Lab ID: L1953232-09
Client ID: CAN 532 SHELF 4
Sample Location:

Date Collected: 11/08/19 09:00
Date Received: 11/08/19
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								
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	76		60-140
bromochloromethane	85		60-140
chlorobenzene-d5	80		60-140



Project Name: OZONE PARK**Lab Number:** L1961615**Project Number:** 60527976.3**Report Date:** 01/03/20**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(*)
L1961615-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-06A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-07A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-08A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-09A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-10A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30)
L1961615-11A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1961615-12A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1961615-13A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30)
L1961615-14A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L1961615-15A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()
L1961615-16A	Canister - 2.7 Liter	NA	NA			Y	Absent		CLEAN-FEE()

Project Name: OZONE PARK
Project Number: 60527976.3

Lab Number: L1961615
Report Date: 01/03/20

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: OZONE PARK
Project Number: 60527976.3

Lab Number: L1961615
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- 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.
- 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 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

Report Format: Data Usability Report



Project Name: OZONE PARK
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Data Qualifiers

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 PARK
Project Number: 60527976.3

Lab Number: L1961615
Report Date: 01/03/20

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.

ID No.:17873

Facility: **Company-wide**

Revision 15

Department: **Quality Assurance**

Published Date: 8/15/2019 9:53:42 AM

Title: **Certificate/Approval Program Summary**

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**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.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B, SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

Client Information

Client: ARCOM
Address: 250 Appleton Drive

Phone: 978-905-2100

Fax: 978-905-3101

Email: roimurphy@arcom.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: ORANGE PARK

Project Location: QUEENSBURY, NY

Project #: 60527776

Project Manager: LEE HATOS

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (extra surcharge if approved)

Date Due:

Time:

Date Rec'd in Lab: 12/26/19

Report Information - Data Deliverables

☐ FAX

☐ ADEx

Criteria Checker:

(Default based on Regulatory Criteria indicated)

Other Formats:

☒ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

LEE HATOS

WILL PERAZZINI

ALPHA Job #: L1961615

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION										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	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID-Flow Controller		
61615-01	BAY 8A - FURZ. AFR-122319	12/23	0850	1648	30.71	5.43	IA	MP	2L	APB	0530	X	
-02	BAY 8B - FURZ. AFR-122319		0845	1621	36.91	4.47					2905	0525	X
	BAY 9 - FURZ. AFR-122319												
-03	BAY 10 - FURZ. AFR-122319	12/23	0830	1610	29.80	4.47	IA	MP	2L	3169	0702	X	
-04	BAY 11 - FURZ. AFR-122319		0835	1611	36.04	5.90					3238	0604	X
-05	BAY 12 - FURZ. AFR-122319		0841	1614	25.36	4.31					357	0609	X
-06	BAY 13 - FURZ. AFR-122319		0835	1613	34.75	7.70					3106	0156	X
-07	BAY 14 - FURZ. AFR-122319		0837	1615	27.77	5.56					3179	0731	X
08	BAY 15 - FURZ. AFR-122319		0839	1620	30.14	6.82					173	0035	X
09	100TH STREET - OUTDOOR AFR-122319	12/23	0837	1656	34.50	3.62	OA	MP	2L	3200	0156	X	

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

Client Information

Client: AFICOM
Address: 250 Apple Drive

Phone: 778-405-7100

Fax: 978-905-2141

Email: rainumb.males@aficom.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: GEORGE PARK

Project Location: QUEENS, NY

Project #: 60527770

Project Manager: RALPH MATOS

ALPHA Quote #:

Turn-Around Time

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

Date Due:

Time:

Date Rec'd in Lab: 12/26/19

ALPHA Job #: L1961615

Report Information - Data Deliverables

☐ FAX
☐ ADEX

Criteria Checker:
(Default based on Regulatory Criteria indicated)

Other Formats:

☒ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

RALPH MATOS
MAN PEARSON

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

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

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION										TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller						
10	MP-153-52L GAS 12234	12/23	0850	1638	31.27	10.07	OK	MP	2L	253	0577	X					
11	MP-153-52L GAS 12234	12/23	1645	1710	38.25	6.31	SG	MP	2L	482	0106	X					
12	MP-153-52L GAS 12234	12/23	1640	1705	-21.20	-4.95	↓	↓	↓	2045	0150	X					
13	MP-153-52L GAS 12234	12/23	1636	1701	29.53	11.04				↓	↓	0303	2485	X			

*SAMPLE MATRIX CODES

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

Container Type

Relinquished By:

Date/Time

Received By:

Date/Time:

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.