

Environmental Advantage

Environmental Advantage, Inc. 3636 N. Buffalo Road Orchard Park, New York 14127
Industrial Compliance, Hazardous Materials Management, Site Assessment/Remediation

August 17, 2023

Megan Kuczka, DER Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: **Periodic Review Report – April 2022 – 2023 Revised; DEC Site
#C915314**
MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York

Dear Ms. Kuczka:

In accordance with Section 7.2 Periodic Review Report of the Site Management Plan (NYSDEC Site Number: C915314) and NYSDEC's March 14, 2023 letter to Mr. Daniel Keane, President of MOD-PAC CORP., regarding the preparation and submittal of a Site Management Periodic Review Report and IC/EC Certification, please find attached the Revised 2022-2023 Periodic Review Report with appropriate certifications.

If you have comments or questions regarding the contents of these documents, please contact me directly.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.



C. Mark Hanna, CHMM
President

Attachments

cc: D. Keane
N. Kane

01304/CY23/MPC BCP #C915314/PRR2023/081723

Periodic Review Report – 2023

For

April 24, 2022 – April 24, 2023 Reporting Period

MOD-PAC CORP.

1801 Elmwood Avenue
Buffalo, New York 14207

NYSDEC BCP Site Number: C915314

Prepared by:

Environmental Advantage, Inc.
3636 North Buffalo Road
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June 12, 2023

Revised August 17, 2023

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Certifications

For each institutional or engineering control identified for the Site, I certify that all of the following statements are true:

- The inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, in accordance with DER¹;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the site is compliant with the environmental easement;
- The engineering control systems in SSDS Area A and Area B are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program and generally accepted engineering practices;
- No new information has come to the remedial party (site owners) attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of off-Site contamination are no longer valid; and
- The information presented in this report is accurate and complete.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, C. Mark Hanna, CHMM, President of Environmental Advantage, Inc., 3636 N. Buffalo Road, Orchard Park, NY 14127, am certifying as Owner's/Remedial Party's Designated Site Representative.

0696
CHMM Certification #


Signature

June 12, 2023
Date

¹ "DER-10/Technical Guidance for Site Investigation and Remediation" prepared by New York State Department of Environmental Conservation (NYSDEC), dated May 3, 2020

1.0 SITE OVERVIEW

1.1 Background

MOD-PAC CORP., (MPC) entered into a Brownfield Cleanup Agreement (BCA)², with the New York State Department of Environmental Conservation (NYSDEC) on June 17, 2017 to investigate and remediate a 19.727-acre property located in Buffalo, New York. The site, which is occupied by MOD-PAC CORP., is located at 1801 Elmwood Avenue, City of Buffalo, Erie County, New York (hereinafter the “Site”). The Site location and boundaries are provided in Figure 1, located in Appendix A. The Site was remediated to commercial use.

The Site consists of an approximate 500,000-square foot manufacturing facility, an approximate 200,000-square foot outdoor athletic complex including synthetic turf playing fields, dugouts, locker rooms, and a restroom facility located within the southern third of the Site; and miscellaneous parking areas throughout. The Site is zoned D-IL – Light Industrial and the neighborhood surrounding the Site primarily includes commercial and residential properties.

1.2 Site History

The entire Site was originally developed in the early 1900s by American Radiator. The former buildings within the southern portion of the Site were occupied by American Radiator until the 1950s, at which time the buildings were demolished. American Radiator occupied the remaining on-site buildings until the 1970s. Since the 1950s, the Site has been used for various manufacturing purposes, including warehousing and box and product packaging by Armor Box and by the current occupant MPC, which also performs commercial printing. MPC originally occupied a portion of the existing building since the 1950s and has since expanded and currently occupies the entire facility. A railroad spur historically traversed the Site, extending to near the facility’s courtyard. From the 1950s through 2020, the southern portion of the Site had remained vacant, unoccupied land with overgrown vegetation and some limited areas used for parking. In early 2020, a soccer field to be used by Nardin Academy was constructed in the southern portion of the Site and is currently utilized as such. In 2020, the soccer field was transferred by deed to Nardin Community Athletic Complex, LLC.

Hazard Evaluations Inc. (HEI), in association with Wittman GeoSciences, PLLC, completed remedial investigation (RI) activities in accordance with the NYSDEC-approved RI Work Plan, dated August 18, 2017³. Interim remedial measure (IRM) activities were completed based upon the findings in the RI and in accordance with the NYSDEC-approved IRM Work Plan for Hot Spot Removal, dated March 11, 2019⁴.

² Brownfield Cleanup Agreement Index No. C915314-06-17

³ “Remedial Investigation Work Plan, Brownfields Cleanup Program for MOD-PAC CORP. Site, 1801 Elmwood Avenue, City of Buffalo, New York, 14207, BCP # C915314”, prepared by Hazard Evaluations, Inc., dated August 2017.

⁴ “Interim Remedial Measure Work Plan for Hot Spot Removal, Brownfields Cleanup Program for MOD-PAC CORP. Site, 1801 Elmwood Avenue, City of Buffalo, New York, 14207, BCP # C915314”, prepared by Hazard Evaluations, Inc. and Whittman GeoSciences, PLLC, dated March 2019.

Initial IRM activities included the excavation of soil impacted by hazardous substances per 6 NYCRR Part 375, including metals (specifically arsenic, lead, cadmium, and copper) from five “hot spot” areas, one in the courtyard area and four in the southern portion of the Site. A second IRM was completed within the area of monitoring well MW-3, which exhibited metals impacts to soil in one sample and chlorinated volatile organic compounds (cVOCs) impacts to groundwater. The second IRM also included a pilot study to evaluate the efficacy of in-situ chemical oxidation (ISCO) with potassium permanganate and the permeability of the Site soil/fill. The resulting full-scale ISCO treatment included the injection of 8,230 pounds of potassium permanganate into 56 locations over a 13,000 square foot treatment area.

Remaining contamination was limited to semi-volatile organic compound (SVOC) and metals impacted soil/fill across the Site and cVOC impacts to groundwater in the area of monitoring well MW-3. Soil containing historical fill is present across much of the Site, which covers approximately 20 acres. Historical fill in the southern portion of the Site, which within the playing field area was graded to an elevation approximately three feet above the former grade, extends from the bottom of the cover system to typical average depths of approximately 2-16 feet below former ground surface (bgs). The distribution of historical fill within the southern portion of the site outside the playing field area covers a similar depth interval. The cover system consists of a minimum of one foot of clean soil or stone, asphalt pavement, concrete-covered sidewalks, concrete building slabs, and artificial turf. The underlying native soil does not contain contaminants at concentrations that exceed Unrestricted Use Soil Cleanup Objectives (UUSCOs); however, contaminated fill exceeding Commercial Use SCOs (CUSCOs) for SVOCs and metals remains on-site in highly developed areas and beneath the cover system.

Sub-slab depressurization (SSD) systems were installed in three areas inside different buildings in the general vicinity of MW-3 to mitigate the migration of volatile organic compound (VOC) vapors into the building from the soil and/or groundwater. Areas with remaining contamination are monitored and maintained with a cover system as described in Section 3.3.1 of the Site Management Plan (SMP)⁵. A Certificate of Completion was issued for the Site on December 24, 2019. Monitoring well locations and SSDS locations are identified in Figure 2.

1.3 Description of Selected Remedy

The Site was remediated in accordance with the remedy selected by the NYSDEC in its Site Decision Document (DD).⁶ The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

⁵ “Site Management Plan for MOD-PAC Site, 1801 Elmwood Avenue, City of Buffalo, Erie County, New York, Site No. C915314” prepared by C&S Engineers, Inc. dated December 2019, revised March 2022 by Environmental Advantage, Inc.

⁶ “Decision Document, Mod-Pac Corp., Brownfield Cleanup Program, Buffalo, Erie County, Site No: C915314, July 2019” prepared by NYSDEC, dated July 25, 2019.

- Construction and maintenance of a cover system consisting of asphalt, concrete, and artificial turf to prevent human exposure to remaining contaminated soil/fill remaining at the Site;
- In-situ chemical oxidation (ISCO) to treat chlorinated volatile organic compounds (cVOCs) in on-site groundwater;
- Installation of a sub-slab depressurization (SSD) systems in three on-Site buildings to prevent potential soil vapor intrusion into indoor air until such time as groundwater impacts have been remediated to where it would be appropriate to turn the systems off;
- Execution and recording of an Environmental Easement (EE) to restrict land use and prevent future exposure to any contamination remaining at the Site;
- Development and implementation of a SMP for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) institutional and engineering controls, (2) monitoring, (3) operation and maintenance and (4) reporting; and
- Periodic certification of the institutional and engineering controls listed above.

2.0 PROGRAM METHODOLOGY

2.1 Description of Institutional and Engineering Controls

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are detailed in the EE for the Site and SMP. ICs and ECs for the Site are required to protect human health and the environment. These ICs/ECs are put in place to ensure that the remediation goals are achieved and maintained throughout time. Each control is routinely monitored in accordance with procedures set forth in the SMP for the Site. The following is a list of ICs and ECs as outlined in the NYSDEC approved SMP as reported in the Final Engineering Report (FER)⁷. The completed Institutional and Engineering Controls Certification Form for the 2022 – 2023 reporting period is provided Appendix B.

2.1.1 Institutional Controls

- The property may be used for: commercial use;
- All ECs must be operated and maintained as specified in the SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

⁷ "Final Engineering Report for MOD-PAC Corporation, NYSDEC Site Number: C915314", prepared by C&S Engineers, Inc., November 2019.

- Data and information pertinent to Site management must be reported at the frequency and in a manner as defined in the SMP;
- All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on Figure 6 (of the SMP), and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the Site are prohibited.

2.1.2 Engineering Controls

- Cover System: exposure to remaining contamination at the Site is prevented by the cover system placed over the Site as described in Section 1.2 above and presented in Figure 6 of the SMP. An Excavation Work Plan (EWP) attached to the SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. Any work completed pursuant to the EWP must also be conducted in accordance with the procedures defined in the Health and Safety Plan (HASP) and associated Community Air Monitoring Plan (CAMP) attached to the SMP as revised.
- Three (3) Sub-Slab Depressurization (SSD) systems were installed in the finished product storage area (Area A), roll storage area (formerly the cold storage garage - Area B), and maintenance area (Area C) of the facility to prevent exposure to indoor soil vapors. The three SSD systems were fully operational on October 25, 2019. The SSD system objectives and performance goals include the following elements:
 - Designed to maintain an adequate negative pressure beneath the sub-slab;
 - Vacuum gauges installed on the vertical risers to monitor pressure and system status;
 - Approximately 20 suction points in total penetrate into the soil under the slab on grade; and
 - Suction points are connected to risers that discharge air vertically to a centralized pipe then horizontally over to the exterior of the building by way of a continuously operating forced air blower mounted outside the building.
 Procedures for operating and maintaining the SSD systems are documented in the Operation and Maintenance Plan provided within Section 5.0 of the SMP.

2.1.3 Criteria for Completion of Remediation / Termination of Remedial Status

Once monitoring results indicate that the remedy has achieved the remedial action objectives identified within the NYSDEC decision document, this generally will mean that

the remedial process is considered complete. However, the following should be noted:

- The cover system is a permanent control and the quality and integrity of this system should be inspected at defined, regular intervals in accordance with the SMP.
- The SSD systems will not be discontinued unless prior written approval from NYSDEC and NYSDOH is granted.
- After the completion of two groundwater monitoring events, if 50% reduction of trichloroethylene (TCE) concentration in the groundwater is not reached, then additional sampling will be necessary until that occurs and will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level not acceptable to the NYSDEC, additional source, removal, treatment, and/or control measures will be evaluated.

2.2 Monitoring and Sampling Requirements

The Monitoring and Sampling Plan, Section 4.0 of the SMP, describes the monitoring and sampling requirements for evaluating the overall performance and effectiveness of the selected remedy. These monitoring and sampling requirements may only be revised with the approval of the NYSDEC. The monitoring and sampling requirements as stated in the SMP include the following:

- Site-wide cover inspection performed at a minimum of once per year.
- Monitoring of the three (3) SSD systems including the following:
 - Pre- and post-carbon air sampling from Area A for three monthly events following installation, followed by a reduced frequency thereafter. This air sampling is currently collected on a quarterly-basis to evaluate the effectiveness of the vapor phase carbon and to determine if replacement is needed.
 - Operation and maintenance (O&M) system checks completed on a weekly basis for the first month of systems operation (September through October 2019), monthly for the following two months (November and December 2019), and quarterly thereafter (beginning January 2020). Routine O&M monitoring includes the identification and repair of any leaks, operational status checks of blowers and fans, documentation of manifold settings and vacuum point at each vapor extraction point, and documentation of vacuum at each monitoring point.
 - Visual inspection of the complete system conducted during each monitoring event. SSD system components are to be monitored including, but not limited to, vacuum blower and general system piping.
 - One indoor air sampling event within six months following the installation of the three (3) SSD systems to assess their effectiveness. This was completed in February 2020, with results detailed in the previous 2019 – 2021 PRR⁸.
- At least two annual groundwater monitoring events, at four existing monitoring wells (MW-3, MW-11, MW-12, and MW-13), for VOCs using United States Environmental Protection Agency (USEPA) Method 8260 Target Compound List (TCL). If TCE

⁸ "Periodic Review Report – June 2021, Revised; DEC Site #C915314, MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York", prepared by Environmental Advantage, Inc., dated July 29, 2021.

concentration within the groundwater is not reduced by at least 50% after these two monitoring events, then additional sampling will be necessary until that occurs.

In the Department's September 7, 2022 Periodic Review Response Letter⁹, the following additional monitoring was completed during the 2022-2023 reporting period at the MPC Site.

- Full quarterly Operation and maintenance (O&M) system checks of the SSD Systems was completed on a monthly basis during the New York State Department of Health (NYSDOH) defined heating season during the months of October 2022 through March 2023.
- An indoor air sampling event was completed in March 2023 in SSDS Area A and Area B to assess the effectiveness of the SSDS systems in these areas in the vicinity of vapor monitoring points (VMPs) that periodically fail to meet the minimum vacuum of at least 0.002 inches water column (WC).

In addition to the monitoring and sampling requirements listed in Section 4.0 of the SMP, the following additional monitoring is completed on a voluntary basis at the MPC Site.

- Monthly operation and maintenance (O&M) visits to ensure all SSD systems are running and to collect pre- and post-carbon photoionization detector (PID) readings from Area A, as well as from Areas B and C effluent was initiated in March 2020.
- Quarterly groundwater sampling of the four monitoring wells subject to the remedial program – MW-3, MW-11, MW-12, and MW-13 for TCL VOCs via USEPA Method 8260, was initiated in April 2021.
- Monthly water level monitoring was initiated in April 2021 of the four monitoring wells subject to the remedial program listed above as well as MW-14 and MW-15 in the vicinity of the SSDS systems. Contaminant monitoring in these two wells is not part of the remedial program as detailed in the SMP.

2.3 SSD Systems Sampling and Operation and Maintenance

The SSD systems at the Site were installed to mitigate potential vapor migration into the facility by maintaining a negative pressure of at least 0.002 inches water column (WC) in the sub-slab of three target areas; Area A the finished product storage area, Area B the roll storage area (formerly the cold storage garage), and Area C the facility maintenance area, as shown in Figures 3A, 3B, and 3C provided in Appendix A. These locations were selected based on elevated sub-slab vapor and/or indoor air sampling results detected during remedial investigations completed in December 2017, April 2018, and May 2018. The SSD systems were installed during September 2019, and all systems were operational and tested by October 25, 2019. Post-installation maintenance, inspection, and monitoring were completed in accordance with the NYSDEC-approved Work Plan prepared by Matrix Environmental Technologies, Inc. (METI)¹⁰.

⁹ "Site Management (SM) – Periodic Review Report (PRR) Response Letter, MOD-PAC CORP., Buffalo, Erie County, Site No.: C915314", Issued by Megan Kuczka (NYSDEC), issued on September 7, 2022.

¹⁰ "Work Plan for Sub-Slab Depressurization Systems" prepared by Matrix Environmental Technologies, Inc., dated February 2019.

During the current 2022 – 2023 monitoring period, quarterly pre- and post-carbon samples were collected from Area A. Following collection, the samples were submitted for analysis of VOCs via USEPA Method TO-15 following all appropriate sample handling and chain-of-custody procedures. Because the pre- and post-carbon sampling points represent a conglomerate of multiple vapor extraction points, no guideline or guidance values were appropriate for the comparison of this data. Pre- and post-carbon data are collected to assess the effectiveness of the carbon in removing contaminants, and to evaluate the decrease in cVOCs over time. Historical pre- and post-carbon sampling analytical data from system start-up are presented in Table 1 located in Appendix C and are discussed in Section 3.0 below. Full laboratory analytical reports are provided in Appendix D.

Monthly operation and maintenance (O&M) visits were conducted throughout the reporting period as mentioned in Section 2.2 above, with fill quarterly O&M system checks conducted on a monthly basis from September 2022 through March 2023. Significant non-routine maintenance operations and the Annual SSD Systems inspection were performed by METI, the engineering firm responsible for the design and installation of the SSD systems on-Site. A summary of the work completed by METI is provided in METI's Sub-Slab Depressurization Systems 2023 Periodic Review Report (SSDS 2023 PRR) included as Attachment 1, and discussed in Section 3.0 below. Monthly and quarterly Site inspection O&M sheets are included in Appendix E.

In February 2020, soil vapor intrusion samples were collected at six indoor air locations and one outdoor location over an 8-hour period to assess the efficacy of the SSD Systems. Air analytical data were compared to the background levels listed in New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York¹¹, including "Table 3.1: Air guideline values derived by the NYSDOH" and "Table C2 USEPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method." The results of this sampling indicated the SSD Systems were effectively mitigating vapor intrusion into the building as detailed in the 2019 – 2021 PRR¹².

In March 2023, soil vapor intrusion samples were collected at three indoor air locations and one outdoor location over an 8-hour period to assess the efficacy of the SSD Systems in response to select VMPs that periodically fail to meet the minimum vacuum of at least 0.002 inches water column. Samples were placed in the vicinity of four VMPs that periodically fail to meet the minimum vacuum of at least 0.002 inches water column (WC), specifically VMP-7A, VMP-8A, VMP-5B and VMP-6B; and in the vicinity of VMP-6A, where Zero vacuum influence due to sub-surface anomalies was confirmed in 2019. The samples were submitted for analysis of VOCs via USEPA Method TO-15 following all appropriate sample handling and chain-of-custody procedures. Air analytical data were compared to the background levels listed in New York State Department of Health (NYSDOH) Guidance

¹¹ "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York" prepared by NYSDOH, dated October 2006, updated September 2013 & August 2015

¹² "Periodic Review Report – June 2021, Revised; DEC Site #C915314, MOD-PAC Site, 1801 Elmwood Avenue, Buffalo, New York", prepared by Environmental Advantage, Inc., dated July 29, 2021.

for Evaluating Soil Vapor Intrusion in the State of New York¹³, including “Table 3.1: Air guideline values derived by the NYSDOH” and “Table C2 USEPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method.” Additionally, results were compared to the NYSDOH Soil Vapor/Indoor Air Decision Matrices maximum allowable Indoor air concentrations for “No Further Action”. When performing verification sampling, the maximum allowable Indoor air concentrations for “No Further Action” are used as a guideline since sub-slab vapor concentrations have previously been identified. A summary of the detected indoor concentrations compared to all three NYSDOH criteria is included in Table 2. Air sample locations are presented on Figure 4.

2.4 Groundwater Quality Sampling and Water Level Monitoring

As required by the SMP, annual groundwater sampling with QA/QC sample collection and water level monitoring was completed on April 6, 2023. In addition, voluntary quarterly groundwater sampling was completed on July 6, 2022, October 7, 2022, and January 5, 2023. Voluntary monthly water level monitoring was initiated in April 2021, and was completed throughout the entirety of the 2022-2023 reporting period. Groundwater elevation data are summarized in Table 3, discussed in Section 3.0 below, and well sampling logs are presented in Appendix E.

Groundwater was sampled with water levels measured at each of the following locations to measure the effectiveness of the ISCO treatment:

- MW – 3 which is the highest TCE impacted well on the MPC Site.
- MW – 11 which is inside of the TCE contaminant plume and has historically evidenced moderate TCE impact.
- MW – 12 which is just outside of the TCE contaminant plume and historically has evidenced non-detect levels of cVOCs.
- MW – 13 which is also inside of the TCE contaminant plume and is the second highest impacted well at the MPC Site.

Prior to sample collection, the static groundwater level and total well depth were measured. During well purging activities, field measurements of pH, specific conductivity, temperature, and turbidity were recorded. Once the parameters stabilized, EA collected the groundwater using low flow sampling techniques.

Following collection, the samples were packed in ice and submitted to Alpha Analytical of Westborough, MA (Alpha) for analysis, following all appropriate sample handling and chain-of-custody procedures. Groundwater samples were analyzed for TCL VOCs via USEPA Method 8260. Associated QA/QC samples were collected during each quarterly sampling event, including one field duplicate, one matrix spike (MS), one matrix spike duplicate (MSD), and one trip blank, with data validation being completed for the SMP required annual groundwater sample only. Following sample collection, purge water was discharged on-Site back into each respective monitoring well of origin. Historical groundwater well analytical data are provided in Table 4 and discussed in Section 3.0

¹³ “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York” prepared by NYSDOH, dated October 2006, updated September 2013 & August 2015

below. Laboratory analytical data reports, including QA/QC sample results are included in Appendix D. Historical TCE concentrations in the selected monitoring wells are included on Figure 5, with Historical Total VOC trends and Historical TCE trends illustrated on Figures 6a and 6b, respectively.

Water level monitoring was also initiated in April 2021 at MW-14 and MW-15, and was completed throughout the entirety of the 2022-2023 reporting period to assess potential ground water level impacts to the performance of the nearby SSD systems. Elevation data are not available for these two wells as they were not surveyed during remedial activities. Contaminant monitoring in these two wells is not part of the remedial program as detailed in the SMP.

2.5 Cover Inspection and Maintenance Activities

The cover and Site are inspected for the integrity of the cover system - including inside of the building interior, the building exterior, and adjacent athletic field complex; as well as inspected for excessive debris, litter and waste, the condition of gates and fencing, and the integrity of the groundwater monitoring and observation wells. The cover system is depicted in Figure 7.

During the reporting period, routine cover/Site inspections were completed by EA on a quarterly basis in conjunction with the routine O&M visits. During the routine inspections, no increased damage to the building interior slabs or exterior paved or stone areas was recorded, with the exception of Area B, where the change in use of this area caused cracking over the SSDS lines which had to be repaired with epoxy materials. On March 8, 2023, EA performed a site-wide inspection of the interior and exterior cover system to ensure its condition and effectiveness. No condition changes to the building interior slabs or exterior paved or stone areas, fencing, access gates, signage, exterior lighting, or athletic complex was observed. The monitoring and observation wells were also observed to be in good condition, and there was no observation of excessive debris/litter. The overall cover system was found to be in generally good condition with no evidence of excessive deterioration. Some pre-existing cracks in the interior building slabs do require repair/re-epoxy from time to time. These cracks are routinely brought to the attention of MPC maintenance personnel, who install materials to seal these cracks to minimize vacuum issues within the SSDS areas. These cracks tend to be minor, and no sub-base or soil is ever exposed. The cover inspection form with photographs taken during the inspection is included in Appendix E.

2.6 Excavation Inspections and Additional Oversight Activities

The EWP attached to the SMP, as revised, outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. The following intrusive activities, and/or cover system modifications occurred during the current monitoring period. All waste profiling and disposal documentation for all materials leaving the Site as described in the paragraphs below are presented in Appendix F. The approximate locations of all intrusive work projects completed post COC are illustrated on Figure 8.

December 2022 Die Cutter Project – Lehigh Construction performed concrete and limited sub-base material removal on the interior of the MPC facility to support the installation of new Die Cutter machinery. To reduce the potential for concrete dust exposure of the surrounding workers, as well as the potential for fugitive dust to impact MPC's printing operations, Lehigh Construction installed poly sheeting around the entire work area from floor to ceiling, and only those directly involved in the work were allowed into the work area. Additionally, MPC has adjacent humidification systems which emit mist to aid in dust control measures throughout the facility. The concrete was saw-cut and removed exposing the sub-base consisting mostly of foundry sand. Final limits measured 30' long by 10' wide by 1-3' deep. Most of the material removed was concrete debris with incidental sub-base attached, with limited foundry sand excavated. EA performed CAMP monitoring throughout the duration of the project on days there was a potential for sub-base to be disturbed. The floor removed consisted of clean uncontaminated concrete, and was saw-cut using industry standard wet cutting practices and dust reduction techniques. Concrete debris was placed in a roll-off container and any sub-base material was staged outside on poly sheeting and covered. Virgin limestone #2 crusher run was imported to the site as new sub-base and graded. The excavation area was finished with new concrete. Oversight documentation for this event is included in Appendix F1.

On January 16, 2023, the stockpiled soil from the Die Cutter project was removed from the Site and transported to Waste Management's Chaffee, NY landfill for use as cover. The soil was approved under pre-existing Waste Management disposal profile 124901NY, which was renewed from the initial RI activities in February 2022. Waste profile 124901NY along with the associated laboratory analytical report is included in Appendix F2. A total of 13.89 tons of soil was disposed, the CAMP monitoring requirement was waived by the Department for the soil loadout due to the small amount being removed and limited loading time. The non-hazardous waste manifest and weight ticket for the soil disposed is included in Appendix F2.

2.7 Data Usability Summary

The analytical data from the air samples collected in March 2023 and groundwater samples collected in April 2023 were submitted for independent review, as required by NYSDEC. Vali-Data of WNY, LLC, located in Fulton, New York, completed the data usability summary report (DUSR). The DUSR is provided in Appendix G and were prepared using guidance from the USEPA Region 2 Validation Standard Operating Procedures, USEPA National Functional Guidelines for Data Review, and professional judgement. Air and groundwater samples were collected as described above and evaluated as described below:

Ambient Air Samples March 2023 – Alpha Analytical SDG L2313097 - The results for three indoor air samples, one blind duplicate, and one outdoor air samples were processed for VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following items were noted:

- VOCs data are acceptable for use except where qualified in Laboratory Control Samples.
- All results were recorded to the reporting limits.
- Sample IA-1 (030823) and IA-2 (030823) were diluted due to high target analyte concentrations in the TO-15 analysis.
- All criteria were met in field duplicate sample precision except Tetrahydrofuran was detected in IA-3 (030823) but was not detected in IA-3 (030823) DUP.
- All criteria were met in the laboratory control samples except the %Rec of Dibromochloromethane and Bromoform was outside QC limits, high in WG1757190-3 and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

Groundwater Sample April 2023 – Alpha Analytical SDG L2318220 - The results for four groundwater samples, one duplicate, one rinsate blank, and one trip blank were processed for TCL VOCs. In general, the samples were noted to be either usable or with minor qualifications. However, the following was noted:

- The VOCs data are acceptable for use except where qualified in MS/MSD, initial calibration and continuing calibration.
- All criteria were met in the MS/MSD except the %Rec of Carbon tetrachloride and Cyclohexane were outside QC limits, high in MW-12 (040623) MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.
- All criteria were met in the initial calibration except several target analytes were outside QC limits in the initial calibrations and initial calibration verifications and should be qualified as estimated in the associated samples, spikes and blanks. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.
- All criteria were met in the continuing calibration except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes. Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

2.8 Electronic Data Deliverables

As per NYSDEC, all aforementioned data has been submitted electronically to the NYSDEC EQUIS system. Confirmation emails of successful data submission are provided in Appendix H.

2.9 Waste Disposal

The granular activated carbon (GAC) in the vessel for Area A was replaced on December 9, 2022. Previous carbon replacement was completed in December 2021 and September 2020, with the system started in October 2019; therefore, the approximate carbon life has consistently been one year over the past two years since system start-up. Approximately 1,000 pounds of spent carbon was removed from the vessel and placed within three 55-gallon metal drums. The spent carbon was subsequently sampled and analyzed for TCLP VOCs via USEPA Method 1311. Analytical results identified chloroform

and trichloroethene at 8.4 ug/l and 17 ug/l, respectively. The full analytical laboratory report is provided in Appendix D.

The spent carbon was transported for regeneration/reuse under the existing profile to Carbon Activated Corp., in Blasdell, NY, a NYSDEC Part 360-registered Combustion and Thermal Treatment Facility. Under 6 NYCRR Part 360.12(c)(4)(i), granular activated carbon (GAC) capable of regeneration as a source-separated recyclable can be managed under a pre-determined beneficial use (BUD), and thereby ceases to be a regulated solid waste when leaving the Recyclables Handling and Recovery Facility (RHRF) with destination of reuse. On January 26, 2023, the spent carbon was removed from the Site and transported for regeneration. The profile and Non-Hazardous Waste Manifest for the spent carbon material are presented in Appendix F3.

3.0 MONITORING SUMMARY

3.1 SSD Systems Monitoring

As outlined in the revised SMP, post-installation maintenance and monitoring was completed on a quarterly basis throughout the 2022 – 2023 reporting period. Quarterly SSD Systems Monitoring and Sampling Summaries, which summarized the area-specific findings of each SSD system and any corrective measures completed within that quarter, were submitted to the Department on a quarterly basis throughout the monitoring period. A summary of the significant non-routine maintenance operations completed by METI is provided in METI's SSDS 2023 PRR included as Attachment 1. Monthly and quarterly Site inspection O&M sheets are included in Appendix E. The following trends were noted:

Q2 2022 (April-June) Monitoring Event – During the Q2 2022 monitoring period, monthly PID readings were collected on April 21 and May 16 and the quarterly system inspection was completed on June 6. VMP-8A was monitored in April and May 2022 due to a 0.000 inches WC reading in March 2022. The following was noted during the monitoring period:

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-8A in April, May, and June, and VMP-6A (“dead point”)¹⁴. Pre-carbon and post-carbon PID readings were consistently 0.0 parts per million (ppm) throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified NYSDOH target cVOCs¹⁵ exhibited a 92.6% reduction from pre

¹⁴ **Please Note:** VMP-6A had not been monitored from June 2020 through the December 2021 monitoring event because this VMP has been verified as a “dead point” due to subsurface features as described in Section 5.1 – ‘Area A Testing’ of METI’s “Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan”, dated December 12, 2019, and provided within Appendix H – Operation and Maintenance Manual of the SMP. In February 2022, the Department requested resuming monitoring of VMP-6A.

¹⁵ NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH “Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York”, May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride.

to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.

- Post-carbon analytical data appear to exhibit a higher concentration of cis-1,2-dichloroethene when compared to pre-carbon concentrations, however the pre-carbon sample had to be diluted by a factor of 10; therefore, the reporting limits were at higher concentrations than that of the post-carbon sample which had a dilution factor of 1. As a result, EA could not determine if cis-1,2-dichloroethene or any other post-carbon result would be higher than the corresponding pre-carbon result. However, these post-carbon air analytical results clearly indicate the carbon is adequately removing the bulk of VOCs detected, and that carbon replacement was not warranted at this time.
- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-5B during the June quarterly monitoring event. System effluent PID readings were consistently 0.0 ppm.
- All manometer readings of the VMPs within Area C met the minimum negative pressure of at least 0.002 inches WC in the sub-slab. System effluent PID readings were consistently 0.0 ppm.

Q3 2022 (July-September) Monitoring Event – During the Q3 2022 monitoring period, monthly PID readings were collected on July 28 and August 26 and the quarterly system inspection was completed on September 22. The following was noted during the monitoring period:

- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-6A (“dead point”). Pre-carbon PID readings ranged from 0.5 to 1.4 ppm and post-carbon PID readings ranged from 0.0 to 0.1 ppm throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified NYSDOH target cVOCs exhibited a 90.26% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.
- Cis-1,2-dichloroethene exhibited a slightly higher post-carbon concentration when compared to its respective pre-carbon concentration. Because the carbon was previously changed in December 2021, carbon replacement was scheduled for December 2022, however as the air analytical results indicate, the carbon was adequately removing the bulk of the VOCs detected, and carbon replacement was not warranted at this time.
- All manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 inches WC in the sub-slab. System effluent PID readings ranged from 0.0 to 2.6 ppm throughout the monitoring period.

- All manometer readings of the VMPs within Area C met the minimum negative pressure of at least 0.002 inches WC in the sub-slab. System effluent PID readings ranged from 0.0 to 1.5 ppm throughout the monitoring period.

Q4 2022 (October-December) Monitoring Event – During the Q4 2022 monitoring event in December, the carbon within Area A was removed and replaced prior to pre and post-carbon air sample collection, as described in Section 2.9 above. At the request of the Department in the 2021-2022 PRR Response Letter, a full quarterly system inspection was completed on October 13, November 7, and December 8-9. The following was noted during the monitoring period:

- As previously proposed to the Department, heat tracing was installed on the EW-1C and EW-2C fans on October 13, 2022, to potentially minimize water damage to the fans during the winter months from condensation. No excavation work was necessary during the installation of the heat trace as all exhaust piping is overhead.
- The EW-3C fan was found not functioning during the October 13, 2022 monitoring event. The fan was subsequently removed and set out for repair. The fan was re-installed on December 9, 2022 at which time heat tracing was also installed on the EW-3C fan to militate against water damage to the fan during the winter months from condensation. No excavation work was necessary during the installation of the heat trace as all exhaust piping is overhead.
- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-8A in November and December, and VMP-6A (“dead point”). Pre-carbon PID readings ranged from 0.0 to 0.2 ppm and post-carbon PID readings were consistently 0.0 parts per million (ppm) throughout the monitoring period. Air analytical data from the pre- and post-carbon sample collected identified NYSDOH target cVOCs exhibited a 94.58% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.
- A few non-chlorinated compounds and most notably one target chlorinated compound, tetrachloroethene, exhibited a slightly higher post-carbon concentration when compared to its respective pre-carbon concentration. It is assumed that these results are due to the pre and post carbon sample being collected immediately after the carbon had been changed, and not enough time had passed to allow the carbon to settle eliminating void spaces.
- With the exception of VMP-5B in November and December, all manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 inches WC in the sub-slab. System effluent PID readings ranged from 0.0 to 0.8 ppm throughout the monitoring period.
- All manometer readings of the VMPs within Area C met the minimum negative

pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-3C and VMP-11C in October and November. VMP-3C and VMP-11C are influenced by the EW-3C fan which was down for repair during this time. System effluent PID readings were 0.0 ppm throughout the monitoring period.

- Temporary condensate collection tanks consisting of closed 5-gallon buckets hanging from each respective fan were removed when the heat tracing was installed as approved in the September 7, 2022 PRR Response Letter.

Q1 2023 (January-March) Monitoring Event – During the Q1 2023 monitoring period, several VMPs did not meet the minimum negative pressure of 0.002 inches WC in the sub-slab, as described below. A full quarterly system inspection was completed on January 31, February 21, and on March 10. The following was noted during the monitoring period:

- On January 10, 2023, EA was notified by the Site owner that the EW-1C and EW-2C fans were not operating. METI immediately responded to inspect the fans; however the fans were unable to be repaired. It was later confirmed that the fans had sustained water damage, likely due to the drainage lines for the condensate freezing and allowing water to backup into the lines and enter the fan. It is assumed that despite all the efforts made to mitigate against the fans freezing and water damaging the fans, the extreme temperatures during December 2022 Blizzard were too extreme for the heat trace to mitigate against.
- All manometer readings of the VMPs within Area A met the minimum negative pressure of at least 0.002 inches WC in the sub-slab with the exception of VMP-7A in March, VMP-8A in January and March, and VMP-6A (“dead point”). Pre-carbon PID and post-carbon PID readings were consistently 0.0 ppm. NYSDOH target cVOCs exhibited a 100% reduction from pre to post carbon, indicating that the carbon is both adequately removing and breaking down the detected cVOCs.
- Except for VMP-5B, all manometer readings of the VMPs within Area B met the minimum negative pressure of at least 0.002 inches WC in the sub-slab throughout Q1 2023. System effluent PID readings were consistently 0.0 ppm.
- Full quarterly system checks were not completed in January or February due to the fans at EW-1C and EW-2C being down for repair. During the March quarterly site check, VMP-1C, VMP-2C, and VMP-4C exhibited positive pressure readings as expected. VMP-1C, VMP-2C, and VMP-4C are influenced by the EW-1C and EW-2C fans. All other VMPs within Area C met the minimum negative pressure of at least 0.002 inches WC in the sub-slab during the March Q1 inspection. System effluent PID readings were consistently 0.0 throughout the current monitoring period.

Q2 2023 (through April 24) Monitoring Event – The reporting period for this current PRR was from April 24, 2022 through April 24, 2023, with the PRR submittal due date extended to June 12, 2023. Since non-compliant pressure readings were recorded during the March

Q1 2023 monitoring event, follow up monthly pressure readings were recorded on April 6, 2023 during the annual groundwater sampling event. The following was noted during this sampling event:

- Due to the non-compliant manometer readings collected at VMP-7A, VMP-8A, and VMP-5B during the Q1 2023 monitoring event, EA collected manometer readings on April 6, 2023 during the Q2 monthly O&M check. VMP-8A and VMP-5B remained at +0.000 inches WC and VMP-7A exhibited a reading of -0.025 inches WC. No readings were collected in Area C.
- During the April 2023 monthly O&M site check, pre-carbon and post-carbon PID readings in Area A were 0.0 ppm and system effluent PID readings in Area B and Area C were also 0.0 ppm.

At the time of this report's preparation, all manometer readings in Area A and Area B with the exception of VMP-6A (dead point), VMP-8A, and VMP-5B are compliant with the minimum negative pressure of at least 0.002 inches WC as designed. Additionally, manometer readings for the VMP's influenced by the EW-3C fan are compliant with the minimum negative pressure of at least 0.002 inches WC as designed. As previously postulated, the inability to achieve the minimum vacuum on occasion appears subject to groundwater levels/perched groundwater during the colder months at the Site. Groundwater elevations monitored on a monthly basis in the eastern portion of the Site¹⁶ throughout the 2022 – 2023 reporting period ranged from 594.51 feet to 597.69 feet. Groundwater flow is generally in a westerly direction towards the Niagara River. If the groundwater surface rises to even a limited extent during the winter/early spring months, or if perched groundwater becomes trapped, the vadose zone beneath the SSD systems becomes very limited. METI suggests this recurring Site condition leads to upward draw on the groundwater surface by the SSD system, possibly creating areas of blockage beneath the building floors. Evidence for this Site condition is provided as all manometer readings collected during the summer and fall months of 2019, 2020, 2021 and 2022 met the minimum 0.002 inches WC in the sub-slab zones with the exception of VMP-8A and VMP-5B which exhibit cracks that frequently require re-epoxy and VMPs in Area C when fans are down. Additionally, repeated fan malfunction in Area C during the winter months has been confirmed to be the result of water damage to the fans. Modifications to the SSDS in Area C are discussed in Section 4.0 below due to the inability to prevent water damage to the fans despite continued efforts to mitigate. This is also discussed in METI's SSDS 2023 PRR, included as Attachment 1. Historical groundwater elevations are listed on Table 3.

As discussed in METI's SSDS 2023 PRR, high groundwater conditions within the SSD areas under pressure may have contributed to the accumulation of fines in

¹⁶ Groundwater monitoring wells included in the monthly water level gauging include MW-3, MW-11, MW-12, and MW-13, which are the four wells subject to the remedial program, as well as MW-14 and MW-15 which are adjacent to Area A and Area B, respectively. Currently, we do not have elevations for MW-14 and MW-15, as these locations were not surveyed during previous remedial activities.

preferential airflow pathways underneath the slab causing the reduced vacuum influence in select areas within Area A and Area B.

3.2 Pre- and Post-Carbon Sampling Results

Pre- and post-carbon air samples were collected on a quarterly basis, and analyzed for VOCs via EPA Method TO-15. Analytical results for the pre- and post-carbon samples collected in June 2022 indicated the carbon was adequately removing the bulk of the VOCs detected and carbon replacement was not warranted, as the majority of analytes detected in the post-carbon air samples were below those detected in pre-carbon air samples. **Please Note:** sample dilution of the pre-carbon sample resulted in a number of analytes being detected in the post carbon sample that were below detection limits in the pre-carbon sample as discussed in Section 3.1 above. During the Q3 2022 monitoring event, seven non chlorinated analyte values detected in the post-carbon air sample were slightly higher than those detected in pre-carbon air samples, and cis-1,2-dichloroethene was higher in the post-carbon sample than in the pre-carbon sample indicating carbon replacement would likely be warranted in the next quarter. All target NYSDOH Matrix cVOC contaminants, with the exception of cis-1,2-dichloroethene, exhibited lower post-carbon concentrations when compared to pre-carbon concentrations with an overall 90.26% reduction of target cVOCs during the Q3 2022 monitoring event. The activated carbon was replaced during the Q4 2022 monitoring event on December 9, 2022, immediately prior to sample collection.

Following carbon replacement, most analytes detected in the post-carbon air samples have been below those detected in pre-carbon air samples for Q4 2022 and Q1 2023, with the pre to post carbon reduction of target NYSDOH cVOCs at 95% and 100% in December 2022 and March 2023, respectively. Carbon replacement is not warranted at this time. Previous carbon replacements were completed in December 2022, December 2021, and September 2020, with the system started in October 2019; therefore, the approximate carbon life has consistently been one year over the past 3 years since system start-up. Carbon removal and disposal is described in section 2.9 above, with disposal documents provided in Appendix F3. Historical air sample results are summarized in Table 1 provided in Appendix B. The analytical laboratory reports are provided in Appendix D.

The analytical results indicate that the carbon is adequately breaking down and removing the bulk of the VOCs detected and most importantly is adequately breaking down and removing the target NYSDOH Matrix cVOC contaminants. Over the life of the SSD System in Area A, target cVOC reduction from carbon treatment has ranged from 80% to 100%. Furthermore, a comparison of pre-carbon cVOC concentrations from October 2019 when the SSD System was started through March 2023 exhibited a 93% reduction in cVOCs over the lifespan of the system to date. Although as discussed in Section 3.1, season fluctuations in groundwater elevations/perched groundwater and possible accumulation of fines are believed to be causing an impact to the SSD System in Area A, Area B and Area C to achieve minimum pressure readings, the reduction of pre-carbon cVOC concentrations from the initial October 2019 levels ranges from a 60% reduction (December 2019) to the current 100% reduction of cVOCs in March 2023.

3.3 Ground Water Monitoring and Sampling

The SMP requires annual sampling and analysis of the groundwater at monitoring wells MW-3, MW-11, MW-12, and MW-13 to evaluate the effectiveness of the completed ISCO remedy for the Site. To this regard, annual groundwater samples were collected on April 6, 2023 and analyzed for VOCs via USEPA Method 8260 TCL. Monitoring well locations are presented in Figure 2 and analytical results are summarized in Table 4.

The SMP-defined goal of a 50% reduction of TCE concentrations after two consecutive [annual] groundwater sampling events was not achieved. Therefore, EA had recommended in the 2019-2021 PRR that quarterly groundwater samples be collected from the four groundwater monitoring wells subject to SMP monitoring and analyzed for VOCs to assess if any seasonal variations in contaminant levels exist. This sampling regimen was a voluntary effort in addition to what was outlined in the SMP, therefore, EA did not complete QA/QC for any samples collected except the annual April sampling event, as the purpose of the additional sampling is solely to assess any seasonal variances and not for SMP compliance purposes. The Department in the 2020-2021 PRR approval letter requested that QA/QC samples be collected during the additional quarterly sampling events; however waived data validation on the quarterly sampling, requiring validation for the annual SMP compliance samples only. Under this regiment, quarterly ground water sampling was conducted on July 6, 2022, October 7, 2022, and January 5, 2023, with the annual SMP compliance samples collected on April 6, 2023.

Additionally, in consideration of the inability to achieve the minimum 0.002" of WC during the winter months over the previous 2019-2021 and 2021-2022 reporting periods in SSDS Area A, SSDS Area B, and SSDS Area C, and the speculation of a possible correlation to the seasonal changes in groundwater levels at the Site, EA recommended that monthly water levels be collected in concert with the monthly SSD Systems vacuum readings to further explore this concept. Groundwater monitoring wells included in the monthly water level gauging include MW-3, MW-11, MW-12, and MW-13 (the wells subject to the remedial program), as well as MW-14 and MW-15 (wells adjacent to SSDS Area A and SSDS Area B, respectively). To this regard, monthly ground water gauging was conducted on May 16, June 6, July 6, August 9, September 22, October 7, November 7, and December 8, 2022 and January 5, February 21, March 24, and April 6, 2023.

Prior to sample collection, the static groundwater level and total well depth were measured. During well purging activities, field measurements of pH, specific conductivity, temperature, and turbidity were recorded. Once the parameters stabilized, EA collected the groundwater using low flow sampling techniques. Field notes cataloguing observations during groundwater monitoring activities are included in Appendix E.

As discussed in Section 3.1 above, groundwater elevations in the remedial wells monitored on a monthly basis throughout the 2022 – 2023 reporting period ranged from 594.51 feet to 597.69 feet. Groundwater flow is generally in a westerly direction toward the Niagara River located approximately 1.66 miles from the Site. Groundwater elevations are presented on Table 3 and groundwater analytical test results are summarized on Table 4, provided in Appendix C. The laboratory analytical reports are included in Appendix D.

During the quarterly and annual groundwater sampling events, most compounds were detected at concentrations below their respective NYSDEC Class GA criteria; the following results were noted:

- 1,1-dichloroethene, 2-butanone, acetone, and/or benzene were detected in monitoring wells MW-3, MW-11, and MW-13; however, concentrations of these compounds were below their respective NYSDEC Class GA criteria.
- Cis-1,2-dichloroethene was detected in monitoring wells MW-3, MW-11 and MW-13 during all four quarterly sampling events. All detected concentrations of cis-1,2-dichloroethene exceeded its NYSDEC Class GA criteria of 5 ppb and ranged from 10 ppb in MW-11 in April 2023 to 110 ppb in MW-13 in July 2022.
- Trans-1,2-dichloroethene was detected in monitoring wells MW-3 and MW-11, during all four quarterly sampling events, and MW-13 in July and October 2022. The concentrations of trans-1,2-dichloroethene exceeded its NYSDEC Class GA criteria of 5 ppb in monitoring well MW-3 in July and October 2022 and MW-11 during all four quarterly sampling events. The concentration of trans-1,2-dichloroethene ranged from 0.92 ppb in MW-3 in April 2023, which is below its respective NYSDEC Class GA criteria of 5 ppb, and 20 ppb in monitoring well MW-11 in July 2022.
- TCE was not detected in monitoring well MW-12; however, was detected in monitoring wells MW-3, MW-11, and MW-13 during all four quarterly sampling events. All concentrations of TCE exceeded its NYSDEC Class GA criteria of 5 ppb and ranged from 19 ppb in MW-11 during the April 2023 sampling event to 350 ppb in MW-3 during the October 2022 sampling event.
- Vinyl chloride was detected in monitoring wells MW-3, MW-11, and MW-13 during all four quarterly sampling events. The concentrations of vinyl chloride exceeded its NYSDEC Class GA criteria of 2 ppb in MW-11 and MW-13 during all four quarterly sampling events and MW-3 in July and October 2022. The concentration of vinyl chloride ranged from 0.41 ppb in MW-3 in April 2023 to 51 ppb in MW-13 in July 2022.
- No red-brown sludge was noted at the bottom of the well at the MW-3 location during the 2022-2023 reporting period as had been noted in the previous 2019-2021 reporting period.

As outlined in the SMP, groundwater monitoring activities were required to include at least two additional annual groundwater monitoring events. After the completion of two annual events, if 50% reduction of TCE concentration in the groundwater was not achieved, then additional sampling on an annual basis would be necessary until a 50% reduction of TCE occurs. Prior to the IRM, the maximum concentration of TCE detected in the groundwater was recorded at 280 ppb in the area surrounding MW-3 (2/5/18 sample). The results of the 2022-2023 quarterly and annual sampling events indicate that

the concentrations of TCE have been reduced by 50% as evidenced in April 2023, with a TCE reduction of 57% in MW-3, 53% in MW-11, 100% in MW-12, and 80% in MW-13. TCE levels at MW-3 and MW-13 exhibited a historic low since post-remedy monitoring was initiated in October 2019. Previous annual groundwater monitoring was conducted mid-April, with the baseline sample collected in early February. TCE concentrations should continue to be monitored for the 2023-2024 reporting period, to determine if the remedial goal of a 50% reduction of TCE has been achieved.

Post-ISCO monitoring results have been highly variable with inconclusive trending. TCE concentrations at the MW-3 location (most impacted well) decreased initially post-ISCO by 21% followed by an increase over the next four sampling events in April 2020, April 2021, July 2021, and November 2021 by 32%, 21%, 43%, and 21%, respectively. The latter half of the previous 2021-2022 reporting period and throughout the current 2022-2023 reporting period with the exception of October 2022, TCE concentrations have exhibited a declining trend with a 57% reduction achieved in April 2023. TCE concentrations at the MW-11 location also decreased initially post-ISCO by 60%, followed by an increase in April 2020 and a 60% decrease in April 2021 from the pre-remedy levels. During the previous 2021-2022 reporting period, TCE concentrations spiked in July 2021, followed by a decrease throughout the remainder of the previous reporting period continuing through the entire 2022-2023 reporting period. Currently TCE concentrations at MW-11 are exhibiting a 52.5% reduction from pre remedy levels. TCE concentrations at the MW-13 location initially increased post remedy by 50% followed by a decreasing trend over the last three years with the exception of a slight spike in July 2021 (still lower than pre-remedy concentrations). Currently, MW-13 exhibits an 80% reduction of TCE from pre remedy concentrations. The MW-12 location has consistently exhibited low concentrations of TCE. Currently MW-12 exhibits a non-detect concentration of TCE which is a 100% reduction from the pre remedy concentration of 0.44 ppb. Historical TCE Concentrations in each monitoring well are shown on Figure 5.

Concentrations of TCE breakdown contaminants (vinyl chloride [VC] and cis-1,2-dichloroethene [cis-1,2-DCE]) have fluctuated at the four monitoring wells subject to the remedial program. Cis-1,2-DCE initially decreased by 62.5% at the MW-3 location (most impacted well) post-ISCO, followed by a significant increase in July 2021 when water levels were at their lowest. Since July 2021, cis-1,2-DCE at the MW-3 location has exhibited an overall decreasing trend except for a slight increase in October 2022. Currently, cis-1,2-DCE levels in MW-3 are at a 78.75% reduction when compared to pre-remedy levels. VC has exhibited an overall decreasing trend at the MW-3 location since the ISCO remedy, with overall reduction of 97% from pre-remedy levels. Cis-1,2-DCE and VC have exhibited an overall increasing trend at the MW-11 location, with only the October 2019 sampling event immediately after the ISCO remedy, exhibiting lower concentrations of VC. Current cis-1,2-DCE and VC concentrations are at a 223% and 78.57% increase at MW-11, respectively, when compared to pre-remedy concentrations. cis-1,2-DCE initially decreased at the MW-13 location by 46% followed by an increase exceeding pre-remedy level in 2020 and 2021. Since July 2021, cis-1,2-DCE has presented an overall decreasing trend with current levels 76.67% lower than pre-remedy concentrations. VC initially decreased substantially at the MW-13 location followed by an increasing trend

through October 2022 with the exception of November 2021. Current VC concentrations at the MW-13 location are 40% less than pre remedy concentrations. MW-12 has consistently exhibited non-detect concentrations of cis-1,2-DCE and VC pre and post remedy.

After four years of monitoring data (April 2020, 2021, 2022 and 2023), EA has concluded that the cVOCs in the vicinity of MW-3 had rebounded and an additional injection has been considered, although the past two quarters of groundwater monitoring results have improved, with a 50% reduction of TCE achieved in April 2023 in all monitoring wells subject to the remedial program. Another year of groundwater sampling using the current protocol may provide the data necessary to be able to determine if the remedial goals have been achieved or if additional remedial measures should be further considered.

3.4 March 2023 Air Assessment

In consideration of the inability to achieve the minimum 0.002" of WC during the winter months in SSDS Area A and SSDS Area B, and at the request of the Department as stated in the 2021-2022 PRR Response Letter, indoor and outdoor air sampling was completed during the 2022- 2023 NYSDOH defined heating season. On March 8, 2023, vapor intrusion samples were collected at three indoor air locations and one outdoor location over an 8-hour period to assess the efficacy of the SSD Systems. As recommended in the NYSDOH Guidance, the heating system was activated at the time of sample collection and doors/windows were closed. Samples were placed in the vicinity of four VMPs that periodically fail to meet the minimum vacuum of at least 0.002 inches water column (WC), specifically VMP-7A, VMP-8A, VMP-5B and VMP-6B; and in the vicinity of VMP-6A, where zero vacuum influence due to sub-surface anomalies was confirmed in 2019. The samples were submitted for analysis of VOCs via USEPA Method TO-15 following all appropriate sample handling and chain-of-custody procedures. Air analytical data were compared to guidance values listed on "Table 3.1: Air guideline values derived by the NYSDOH," "Table C2 USEPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method" (within Appendix C of the NYSDOH Soil Vapor Intrusion Guidance), and NYSDOH Soil Vapor/Indoor Air Decision Matrices maximum allowable Indoor air concentrations for "No Further Action". When performing verification sampling, the maximum allowable Indoor air concentrations for "No Further Action" are used as a guideline since sub-slab vapor concentrations have previously been identified. A summary of the detected indoor concentrations compared to all three NYSDOH criteria is included in Table 2. Air sample locations are presented on Figure 4.

The analytical results indicate that all cVOCs and contaminants of concern (COCs) at the Site were below the three guidelines recommended by the NYSDOH. Ten VOCs were identified above the background levels listed on Table C2 USEPA 2001: Building assessment and survey evaluation (BASE) database, SUMMA canister method, including acetone, chloroform, ethanol, ethylbenzene, isopropanol, n-hexane, o-xylene, p/m-xylene, and styrene; however all ten of these analytes are associated with either printing ink or the printing process. The 2001 EPA BASE survey consisted of a study of measured concentrations of VOCs from 100 randomly selected public and commercial buildings,

however only represents typical office settings. The NYSDOH guidance indicates that the 90th percentile values from the USEPA BASE data for indoor air for office and commercial buildings can be considered for initial benchmark values, however where NYSDOH has published an air guideline value for a specific chemical, the air guideline value supersedes the values listed in the USEPA BASE data. Because the USEPA BASE data was collected from commercial office settings only, industry specific deviations as evidenced here are expected.

The March 2023 air sampling results were in compliance with all applicable NYSDOH air guideline values, indicating that regardless of the four VMPs that periodically fail to meet the minimum vacuum of at least 0.002 inches water column (WC), the SSD Systems are effectively mitigating against vapor intrusion into the MOD-PAC building. At the time of the air sample collection, the following VMPs presented zero vacuum readings: VMP-6A, VMP-7A, VMP-8A, and VMP-5B. Samples were not collected in Area C due to the EW-1C and EW-2C fans being down. Air sampling in Area C will be completed during the 2023-2024 NYSDOH heating season, after the corrective measures described in Section 4.0 below are implemented.

4.0 CORRECTIVE MEASURES

On October 13, 2022, heat tracing was installed on the EW-1C and EW-2C fans to mitigate against water damage to the fans during the winter months resulting from condensation freezing allowing groundwater moisture being pulled into the system to backup and enter the fan unit. While the heat tracing was being installed, the EW-3C fan was found to be not functioning. The fan was subsequently removed and sent out for repair. The fan was re-installed on December 9, 2022 at which time heat tracing was also installed on the EW-3C fan to militate against water damage to the fan. Temporary condensate collection tanks consisting of closed 5-gallon buckets hanging from each respective fan were removed when heat tracing installed.

On January 10, 2023, EA was notified by MPC that the EW-1C and EW-2C fans were not operating. METI immediately responded to inspect the fans; however the fans were unable to be repaired. It was later confirmed that the fans had sustained water damage, likely due to the drainage lines for the condensate freezing and allowing water to backup into the lines and enter the fan. EA and METI have assumed that despite all the efforts made to mitigate against the fans freezing and water damaging the fans, the extreme temperatures during December 2022 blizzard were too extreme for the heat trace to operate adequately.

Continuous fan problems have occurred during the previous three winter/spring seasons in Area C since system startup in 2019 in Area C. In December 2019 the EW-1C fan was removed and sent out for repair and reinstalled in February 2020. In April 2020 the EW-1C fan was again malfunctioning and was removed and replaced in June 2020, in February 2021, both the EW-1C and EW-2C were removed and replaced with new fans. In May 2021, timers and drain lines were installed on the fans in Area C to allow

condensate to drain from the fans. On January 24, 2022, EA was notified by the Site owner that the EW-1C fan was malfunctioning. A backup fan was reinstalled at EW-1C on January 31, 2022 by METI, during which time it was determined that the cause of the malfunction was due to the lines for the condensate collection freezing and causing water to backup and enter the fan. In October 2022, heat tracing was installed on the EW-1C and EW-2C fans, at which time the EW-3C fan was found to be not functioning and was removed and subsequently replaced with heat tracing in December 2022. On January 10, 2023, it was discovered that the EW-1C and EW-2C fans were not operating. When assessed, water damage to the fan was determined to be the reason for fan malfunction. Due to the continuous fan issues in Area C, METI has recommended that the EW-1C and EW-2C fans be replaced with a 1.5 HP blower as described in Section 4.1 below, and METI's SSDS 2023 PRR. Equipment specs are provided in Appendix I. Blower installation is tentatively scheduled for late August 2023.

4.1 Area C SSDS Proposed Modifications

As detailed in METI's SSDS 2023 PRR, replacement of the fans associated with EW-1C and EW-2C with a single regenerative blower is recommended due to the repeated water damage sustained by the fans since 2019. Installation of the blower is scheduled for late August 2023. The existing piping network in Area C will remain, with the slight modification connecting the existing lines for EW-1C and EW-2C on the exterior of the building with a single manifold, with final connection to the blower. No changes will be made to EW-3C, and no intrusive work is involved with these modifications. Further details to the proposed modifications to Area C are included in METI's report. A summary of the completed modifications to Area C will be provided to the Department in an SSDS Modification Report with updated piping and instrumentation diagrams (PI&D's), and the results of post-SSDS modification verification sampling.

5.0 CONCLUSIONS AND RECOMMENDATIONS

As presented in Table 4.2 – Post Remediation Sampling Requirements and Schedule of the SMP, a minimum of two annual groundwater monitoring events is suggested at four existing monitoring wells (MW-3, MW-11, MW-12 and MW-13) for VOCs, using USEPA Method 8260 TCL. If TCE concentration within the groundwater is not reduced by at least 50%, then additional annual sampling will be necessary until that occurs. Annual groundwater monitoring events were conducted in April 2020, April 2021, April 2022 and April 2023 with the required 50% reduction achieved in all four wells in April 2023. As such, EA recommends that for the next monitoring period of April 2023 through April 2024, groundwater sample collection frequency be reduced to semi-annual events (October and April) and analyzed for VOCs, using USEPA Method 8260 TCL to assess if the remedial goals have been achieved. Depending on the results of the next annual groundwater sampling event scheduled for spring 2024, if TCE concentrations remain at a 50% reduction, the remedial goals have been achieved. Such results will be discussed in the 2024 PRR.

The relationship of seasonal changes in groundwater levels/perched groundwater at the Site has been investigated over the past two years and enough data have been collected to indicate that groundwater is impacting the SSD systems, although concentrations of cVOCs in the indoor air remain at acceptable levels. EA recommends that the collection of monthly water levels and monthly SSD Systems vacuum readings during the heating season be discontinued, as no further data collection is needed to further explore this concept. At the request of NYSDEC, EA began collecting vacuum readings in 2021 for any vapor monitoring point (VMP) which did not achieve the minimum 0.002" of WC on a monthly basis until the affected VMP('s) came back into compliance. EA recommends that continued monthly monitoring of non-compliant VMP's be discontinued, as no further data collection is needed to further explore this concept. As indoor air levels have exhibited compliant results, regardless of zero vacuum readings in select VMPs.

The Area A and Area B SSD systems are currently functioning properly, as manometer readings of the majority of the VMPs within these areas met the minimum negative pressure of at least 0.002 inches WC in the sub-slab and all blower fans are currently operating. At the end of the April 24, 2023 reporting period, only VMP-8A and VMP-5B remain with a positive pressure reading; all other VMP's meet the -0.002 in WC as designed. Indoor air sampling results in Area A and Area B are within NYSDOH guidelines, despite a select few VMP's routinely failing to meet the minimum -0.002 in WC as designed.

Equipment changes are proposed for Area C due to the inability to prevent water damage to the fans despite numerous efforts to mitigate this. These modifications will be completed in late August 2023, prior to the start of the 2023-2024 heating season. Verification indoor and outdoor air sampling will be completed during the 2023-2024 heating season to verify the effectiveness of the system modifications.

The SSD systems will continue to be inspected and maintained at least quarterly as specified in the SMP. Additional inspections and/or sampling may occur when a suspected failure of the SSD system has been reported or an emergency occurs. In addition, the SSD systems will be tested if, in the course of the system lifetime, significant changes are made to the system, and the system must be restarted. The Operation & Maintenance Plan (O&M Plan) describes the measures necessary to operate, monitor and maintain the existing SSD systems and includes procedures for routine operation, shutdown, general maintenance and monitoring requirements, and record keeping. The O&M Plan is fully in place, with no deficiencies in compliance. No changes to the plan are recommended at this time.

The activated carbon in Area A was replaced during the Q4 2022 monitoring event on December 9, 2022, prior to sample collection. Previous carbon replacement was completed in December 2021 and September 2020, with the system started in October 2019; therefore, the approximate carbon life has consistently been one year over the past 3 years since system start-up. A comparison of pre-carbon cVOC concentrations from

October 2019 when the SSD System was started through March 2023 exhibited a 93% reduction in cVOCs over the lifespan of the system to date.

EA suggests that not enough data have been collected to assess the effectiveness of the ISCO remedy. Design and installation data are incomplete, and additional remedial efforts may be warranted in the future to address the cVOC contamination in the vicinity of MW-3. Quarterly groundwater sampling completed throughout the 2021-2022 and 2020-2023 monitoring periods did exhibit seasonal variations in contaminant levels, specifically higher TCE concentrations in July when the groundwater levels at the Site were at their lowest. With a specific gravity greater than 1 (denser than water), TCE is a dense non-aqueous phase liquid (DNAPL), therefore contaminant levels are expected to be higher when groundwater levels are lower. This should be taken into consideration when evaluating the reduction in TCE post-remedy, as the pre remedy baseline data was collected in February 2018, when the groundwater levels were likely higher and concentrations of TCE detected in the groundwater sample likely lower. An additional year of semi-annual groundwater sampling is recommended to further evaluate the seasonal fluctuations in contaminant levels. Fourth quarter 2021, all of 2022, and the first quarter of 2023 groundwater results exhibited promising results and should be monitored over an additional year before termination of monitoring or further remedial actions are considered.

All components of the Site Management Plan have been met during the reporting period, including Engineering Controls, Institutional Controls, the Monitoring Plan, and the Operation & Maintenance Plan. Based on activities conducted at the Site during the reporting period, the Site remedy continues to be protective of public health and the environment. The requirements for Site closure have not yet been met, and no changes to the frequency of PRR submittals are recommended at this time.

In October 2020, the athletic field portion of the BCP was transferred by deed to Nardin Community Athletic Complex, LLC. Documentation regarding this property transfer and executed Change of Use Form is provided in Appendix J. During the annual cover inspection completed in March 2023, the athletic field was inspected by EA, as part of BCP Site #C915314. During the 2023-2024 reporting period, EA will continue to inspect the athletic field portion of the BCP Site, and will reach out to Nardin Community Athletic Complex, LLC and MPC to ensure the relevant sections of the SMP and EWP are followed for the athletic fields.

ATTACHMENT 1

SUB-SLAB DEPRESSURIZATION SYSTEMS 2023 PERIODIC REVIEW REPORT

**SUB-SLAB DEPRESSURIZATION SYSTEMS
2023 PERIODIC REVIEW REPORT
APRIL 25, 2022 – APRIL 24, 2023**

August 17, 2023

Prepared For:

MOD-PAC CORP.
1801 Elmwood Avenue
Buffalo, New York
BCP Site #C915314

Prepared By:



A handwritten signature in black ink, appearing to read "Christine Curtis".

Christine M. Curtis, P.E.
Senior Engineer

A handwritten signature in black ink, appearing to read "Sean R. Carter".

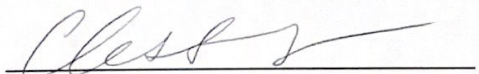
Sean R. Carter, P.E.
Principal Engineer

CERTIFICATION STATEMENT

I, Christine M. Curtis, P.E., certify that I am currently a NYS Professional Engineer as defined in 6 NYCRR Part 375 and that this 2023 Periodic Review Report for the sub-slab depressurization (SSD) systems operating in three buildings at the MOD-PAC CORP. facility located at 1801 Elmwood Avenue, Buffalo, NY was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York.

I hereby certify the following drawings:

- Figure 1: Vapor Mitigation Areas
- Figure 2A: Area A SSD System Layout and Piping Diagram
- Figure 2B: Area B SSD System Layout and Piping Diagram
- Figure 2C: Area C SSD System Layout and Piping Diagram
- Figure 3A: Area A SSD System Layout – Profile View
- Figure 3B: Area B SSD System Layout – Profile View
- Figure 3C: Area C SSD System Layout – Profile View
- Figure 4: Process and Instrumentation Diagram
- Figure 5: Revised Area C Process and Instrumentation Diagram
- Figure 6: Revised Area C SSD System Layout – Profile View


Christine M. Curtis, P.E. #100560
Matrix Environmental Engineers, PLLC

6/12/2023
Date



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Figure 2A: Area A SSDS Layout and Piping Diagram

Figure 2B: Area B SSDS Layout and Piping Diagram

Figure 2C: Area C SSDS Layout and Piping Diagram

Figure 3A: Area A SSDS Layout – Profile View

Figure 3B: Area B SSDS Layout – Profile View

Figure 3C: Area C SSDS Layout – Profile View

Figure 4: Process and Instrumentation Diagrams

Figure 5: Revised Area C Process and Instrumentation Diagram

Figure 6: Revised Area C SSDS Layout – Profile View

Tables

Table 1A: Area A Monitoring Results

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Table 2: Summary of SSD Systems Operations, Monitoring & Maintenance Activities

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Appendix A: Site Inspection Reports

Appendix B: Area C Blower Specifications

1.0 INTRODUCTION

Matrix Environmental Technologies Inc. (METI) has prepared this Sub-Slab Depressurization (SSD) Systems Annual Periodic Review Report (PRR) in cooperation with Environmental Advantage, Inc. (EA) on behalf of the MOD-PAC CORP. (MOD-PAC). This report documents operations, maintenance and monitoring activities associated with SSD systems operating at the MOD-PAC facility located at 1801 Elmwood Avenue in Buffalo, New York (Brownfield Cleanup Program Site #C915314).

2.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL (IC/EC) PLAN COMPLIANCE

2.1 SSD Systems Description

The design objective of the SSD systems is to mitigate potential vapor intrusion into the three target areas designated as Area A (Finished Product Storage), Area B (Roll Storage; formerly Cold Storage), and Area C (Facility Maintenance) within the MOD-PAC facility by maintaining a negative pressure of at least 0.002 inches water column (WC) in the sub-slab. An overview of the treatment areas is included in **Figure 1**. System layout and piping diagrams for each treatment area are included as **Figures 2A-2C**. The designs were developed in accordance with the applicable standards, criteria, and guidance contained in or referenced in NYSDOH's "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006 and its updates. The SSD systems were installed in September 2019 and were fully operational by October 25, 2019.

The SSD systems create negative pressure under the building floor slab relative to the indoor air pressure, thereby minimizing the potential for soil gas to migrate into the building. The systems use a blower or fan to apply vacuum to vapor extraction points installed throughout the building floor slab. The primary system components of each SSD system include the extraction wells, extraction piping equipped with vacuum gauges and ball valves, a fan or blower, and vapor phase carbon treatment (Area A only). System profile views are included as **Figures 3A-3C** and process and instrumentation diagrams are included as **Figure 4**.

Performance of the SSD systems is evaluated using vacuum data collected from the vapor extraction wells and permanent monitoring points installed in each treatment area. Systems start-up activities are detailed in the *Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan* (December 12, 2019, METI) and the *Final Engineering Report* (November 2019, C&S Engineers, Inc.). Results of subsequent systems inspections and monitoring and maintenance activities are summarized in quarterly reports prepared by EA and annual periodic review reports prepared by EA and METI.

2.2 SSD Systems Status

Installation of the SSD systems in all three target remediation areas was completed by October 2019. The most recent annual Site inspection was performed by METI on April 12, 2023. A completed Site Inspection Report is included in **Appendix A**.

2.2.1 Area A (Finished Product Storage)

The Area A system includes a 6 HP regenerative blower and 10 extraction wells and began operating on September 11, 2019. The system was fully operational during the annual Site inspection on April 12, 2023.

The regenerative blower is currently operating at 18-20 inches W.C. corresponding to flow rates of 200-208 CFM. Vacuum readings in the extraction wells that are fully open generally range from 16-19 inches W.C.; the valve for extraction well EW-1A was reduced to 1/3 open and the valve for extraction well EW-6A was closed during initial system adjustments shortly after system activation in 2019. Pre-carbon PID readings, once as high as 52.6 ppm following system startup, were zero or negligible (approximately 1 ppm) over the reporting period. Analytical results of influent (pre-carbon) air samples collected on a quarterly basis indicate that target VOC concentrations have correspondingly declined, with total target VOC concentrations decreasing by over 93% by March 2023 as compared to baseline levels recorded in October 2019:

Table 2.1: Pre-Carbon Total Target VOC* Concentrations ($\mu\text{g}/\text{m}^3$)

Date	Pre-Carbon	Percent Decrease
10/03/19	2,826	-
06/06/22	262	90.7%
09/22/22	364	87.1%
12/09/22	256	90.9%
03/08/23	191	93.3%

*1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, Vinyl chloride

PID readings collected from the system effluent (post-carbon) have remained zero or negligible since November 2020 and correlate with analytical results of post-carbon air samples indicating that VOC concentrations are removed to levels acceptable for discharge following carbon treatment.

Vacuum readings in the vapor monitoring points generally exceed the minimum 0.002 inches W.C. with the exception of VMP-6A and, occasionally, VMP-7A and VMP-8A. The area in the vicinity of VMP-6A is defined by visible saw cuts in the slab and includes a manhole and a rectangular vault formerly containing a hydraulic lift. Following an investigation in October 2019, it was concluded that achieving the target vacuum influence in this area is not possible, and VMP-6A was removed from the monitoring program. At the request of NYSDEC, monitoring of VMP-6A resumed during the first quarter of 2022.

PID measurements and vacuum data collected by EA from the extraction wells and vapor monitoring points over the reporting period are included in **Table 1A**. Laboratory analytical reports are included as appendices in the quarterly monitoring reports prepared by EA.

2.2.2 Area B (Roll Storage)

The Area B system includes a 6 HP regenerative blower and 8 extraction wells and began operating on September 19, 2019. The system was fully operational during the annual Site inspection on April 12, 2023.

The regenerative blower is currently operating at approximately 18-26 inches W.C. corresponding to flow rates of 190-208 CFM. Vacuum readings in the extraction wells range from 26-34 inches W.C. System effluent PID readings were non-detect or negligible over the reporting period, with the highest reading of 2.6 ppm in September 2022.

Vacuum readings in six of the seven vapor monitoring points consistently exceeded 0.002 inches W.C. over the reporting period. Vacuum readings were lower than the target vacuum in VMP-5B in June 2022 and from November 2022 through April 2023.

PID measurements and vacuum data collected from the extraction wells and vapor monitoring points and over the reporting period are included in **Table 1B**.

2.2.3 Area C (Facility Maintenance)

The Area C system includes three (3) radon fans each operating a single extraction well. The EW-1C and EW-2C systems began operating on September 11, 2019. The EW-3C system became operational on October 25, 2019. At the time of the annual Site inspection on April 12, 2023, only the EW-3C system was operational.

PID measurements and vacuum data collected from the extraction wells and vapor monitoring points are included in **Table 1C**. Over the reporting period, the fans operated at 28-32 inches W.C. corresponding to flow rates of approximately 27-31 CFM. System effluent PID measurements have continued to remain zero or negligible, with the most elevated reading (1.5 ppm) collected from EW-1C in July 2022.

Due to damage caused by condensate buildup, the fans associated with EW-1C and EW-2C were not operational from January 2023 through the end of the reporting period and the fan associated with EW-3C was not operational in October and November 2022. During each instance, the fans were removed for evaluation and repair. Outside of the times in which the fans were not operational, the target vacuum of 0.002 inches WC was achieved in all vapor monitoring points. Vacuum readings lower than the target vacuum were recorded in VMP-3C and VMP-11C in October-November 2022 while EW-3C was not operational and in VMP-1C, VMP-2C, and VMP-4C beginning in March 2023 while EW-1C and EW-2C were not operational.

2.3 Corrective Measures

While the blowers and fans are operational, the target vacuum of 0.002 inches W.C. is generally achieved in the vapor monitoring points, with exceptions due to known subsurface anomalies, cracks in the slab, and/or damage to the system process piping trenches caused by heavy machinery use. In addition, based on data collected over several years, METI suspects that seasonal fluctuations in groundwater elevations at the Site reduce the vertical thickness of the vadose zone and result in

the uptake of water into system process piping. Since March 2021, monthly groundwater elevation gauging, quarterly groundwater sampling, and monthly vacuum readings have been voluntarily collected for any vapor monitoring point that failed to achieve the minimum negative pressure of 0.002 inches WC during the quarterly SSD systems inspections. Monthly vacuum monitoring has been continued for these vapor monitoring points, with the exception of VMP-6A, until a vacuum reading greater than 0.002 inches W.C. is observed. A summary of corrective measures completed over the reporting period is included as **Table 2** and discussed below.

2.3.1 Area A (Finished Product Storage)

No corrective actions were completed in Area A over the reporting period. Data collected from the vapor monitoring points indicated that the required vacuum influence was achieved throughout the sub-slab in Area A with the exception of VMP-6A during all monitoring events, VMP-7A in March 2023, and VMP-8A during seven of the 11 monitoring events completed over the reporting period. As discussed in Section 2.1.1, achieving the target vacuum influence in the vicinity of VMP-6A is not possible due to subsurface heterogeneities. The target vacuum influence is typically achieved in VMP-7A and therefore the March 2023 result is considered an anomaly. Proposed corrective actions for the vicinity of VMP-8A are discussed in Section 2.4 below.

2.3.2 Area B (Roll Storage)

Corrective actions completed in Area B over the reporting period included the sealing of visible cracks in the system process piping trench to EW-2B using an epoxy-based sealant. Data collected from the vapor monitoring points indicated that the required vacuum influence was achieved throughout the sub-slab in Area B with the exception of VMP-5B from November 2022 through the end of the reporting period. Proposed corrective actions for the vicinity of VMP-5B are discussed in Section 2.4 below.

2.3.3 Area C (Facility Maintenance)

To help further prevent the formation of condensate causing water damage to the fans in Area C, heat trace and insulation was installed on the vapor extraction lines in October 2022 and December 2022. No excavation activities occurred during installation of the heat trace as all piping for the SSD systems is overhead. The temporary condensate collection tanks were removed at the time the heat trace was installed. The tanks consisted of covered 5-gallon buckets with condensate tubing inserted through the lid. The tanks were removed from their exterior wall mounts and the tubing was shortened to prevent freezing of the lines.

The fan associated with EW-3C was found to be non-functional during the October 13, 2022 site check. The fan was removed for evaluation and repair and a replacement fan was installed on December 9, 2022.

The fans associated with EW-1C and EW-2C were found to be non-functional during the January 10, 2023 site check. It was determined that the fans could not be repaired and required replacement. Replacement of the fans with a single regenerative blower is scheduled to be completed the week of August 21, 2023.

Vacuum in all vapor monitoring points exceeded the minimum target vacuum of 0.002 inches W.C. over the reporting period with the exception of VMP-3C and VMP-11C in October-November 2022, and VMP-1C, VMP-2C, and VMP-4C in April 2023. Proposed corrective actions for Area C are discussed in Section 2.4 below.

2.4 Conclusions and Recommendations

No corrective measures were required in Area A over the reporting period. In Area B, damage to the concrete slab has been caused by heavy machinery used to transport materials and finished goods produced at the facility, resulting in sinking and cracking of the system process piping trench to EW-2B. Cracks are sealed with an epoxy-based sealant. The condition of the trench will continue to be monitored and may be repaired and/or resurfaced if necessary.

In both Area A and Area B, vacuum in the extraction wells has been increasing gradually since system startup in 2019. This may be due to the accumulation of fines in preferential airflow pathways creating areas with reduced vacuum influence, particularly during high groundwater conditions. Vacuum levels below the target vacuum in VMP-8A and VMP-5B will be addressed by redrilling these vacuum monitoring points in an attempt to clear the fines. The 3/4-inch female coupling and threaded cap will be removed, the monitoring points will be redrilled to a depth that extends just below the surface of the concrete slab using a hammer drill, and the coupling and threaded cap will be replaced in the same location. No material will be excavated. If the target vacuum influence still cannot be achieved, replacement vapor monitoring points will be installed within two feet of the current locations of VMP-8A and VMP-5B. If the target vacuum influence is not measured in the replacement vapor monitoring points, the installation of an additional vapor extraction point will be evaluated for each Area. If replacement vapor monitoring points and/or vapor extraction points are deemed necessary, updated process and instrumentation diagrams will be provided to the Department following installation of the points in accordance with the approved February 7, 2019 *Work Plan For Sub-Slab Depressurization Systems*.

In Area C, the fans have historically operated at the higher end of the recommended vacuum range resulting in lower air flow rates that may have been too low to discharge the water vapor that accumulated in the discharge lines. METI recommends that the fans for EW-1C and EW-2C be replaced with a 1.5 hp GAST R4P115 regenerative blower (75 CFM at 40-45 inches WC, maximum vacuum 60 inches WC). The fan for EW-3C has been fully operational since December 2022 and therefore will not be replaced. While EW-3C is operational, the target vacuum of 0.002 inches W.C. is achieved in nearby vapor monitoring points. Installation of the replacement blower is scheduled to be completed the week of August 21, 2023. A revised process and instrumentation diagram for Area C is included as **Figure 5** and a revised profile view system layout is included as **Figure 6**. Blower specifications are included in **Appendix B**.

3.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

Operation and maintenance of the SSD systems has been completed in accordance with the Site Management Plan (SMP) and the *Sub-Slab Depressurization System Start-up Report and Operation and Maintenance Plan* (December 12, 2019, METI). Initial OM&M system checks were completed weekly for the first month of systems operation. Since that time, system inspections have been completed on a monthly basis and the collection of vacuum data has continued on a quarterly basis, or more

frequently as needed for select vapor monitoring points. In addition, monthly monitoring of groundwater elevations in select monitoring wells (MW3 and MW11-MW15) has been ongoing since March 2021. MW14 and MW15 are not included in the sampling program but are monitored due to their proximity to Areas A, B, and C. A summary of monitoring activities completed during the reporting period is included in **Table 2**. Groundwater elevation gauging data is included in the quarterly monitoring reports prepared by EA.

Routine monthly monitoring includes the identification and repair of any leaks in system process piping and operational status checks of blowers and fans. In addition, documentation of manifold settings and vacuum at each vapor extraction point and documentation of vacuum at each monitoring point is completed during the quarterly site checks. Non-routine maintenance, including carbon changeouts and sealing of floor cracks, are completed as necessary. The most recent carbon changeout for the Area A system was completed on December 9, 2022.

In Area A, pre-carbon and post-carbon air samples were collected on a monthly basis for the initial three months of system operation and on a quarterly basis thereafter. All samples were submitted for laboratory analysis of VOCs via EPA Method TO-15. Pre-carbon and post-carbon photoionization detector (PID) readings were also collected on a monthly basis. In Areas B and C, PID readings were collected from the system effluent on a monthly basis.

4.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

The SSD systems in Area A and Area B are performing as designed and are effectively maintaining negative pressure in the building sub-slab to minimize the potential for soil gas to migrate into the building, with the exception of select areas defined by VMP-8A and VMP-5B. These vapor monitoring points will be redrilled to remove the likely accumulation of fines and replaced with new vapor monitoring points located within two feet of the original location if necessary. If the target vacuum is not achieved in the new vapor monitoring points, the installation of an additional vacuum extraction point will be evaluated in each area of concern.

Two of the three SSD systems in Area C were not functioning at the time of the annual inspection in April 2023 and therefore cannot be certified. Recurrence of water damage to fans in Area C supports the conclusion that seasonal rises in groundwater elevations at the Site are reducing the vertical extent of the vadose zone, resulting in upward draw by the SSD systems and creating areas of limited vacuum influence. However, the data collected thus far does not show a strong correlation between non-compliance in the vapor monitoring points and groundwater elevations. It is possible that with sustained applied vacuum, fines have accumulated in preferential airflow pathways in the subsurface, creating areas with little to no vacuum influence. Proposed corrective actions for Area C include the replacement of the fans associated with EW-1C and EW-2C (to be completed in August of 2023).

With the fans in Area C tentatively scheduled to be replaced, METI recommends that the monthly collection of groundwater elevation data be discontinued and the collection of vacuum data from the vapor extraction points be reduced from monthly to quarterly. No other changes to the quarterly system checks (including the collection of vacuum data and air samples for laboratory analysis) are recommended at this time. Based on trends of stable and non-increasing groundwater VOC concentrations in conjunction with continued operation of the SSD systems, it is proposed

that the frequency of the groundwater monitoring events be reduced from quarterly to semi-annually, with groundwater monitoring events to be completed in April and October.

Although the target vacuum of 0.002 inches W.C. is occasionally not achieved in select vapor monitoring points, results of the air monitoring event completed in Area A and Area B on March 8, 2023 with the SSD systems operational, indicated that concentrations of chlorinated VOCs, including trichloroethene and the other compounds assigned to NYSDOH Soil Vapor/Indoor Air Decision Matrices, do not exceed NYSDOH background levels in commercial indoor air. The samples were collected in the immediate vicinity of VMP-6A, VMP-7A, VMP-8A, VMP-5B, and VMP-6B.

FIGURES

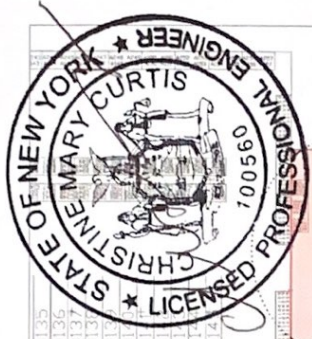


FIGURE 1.
Vapor Mitigation Areas

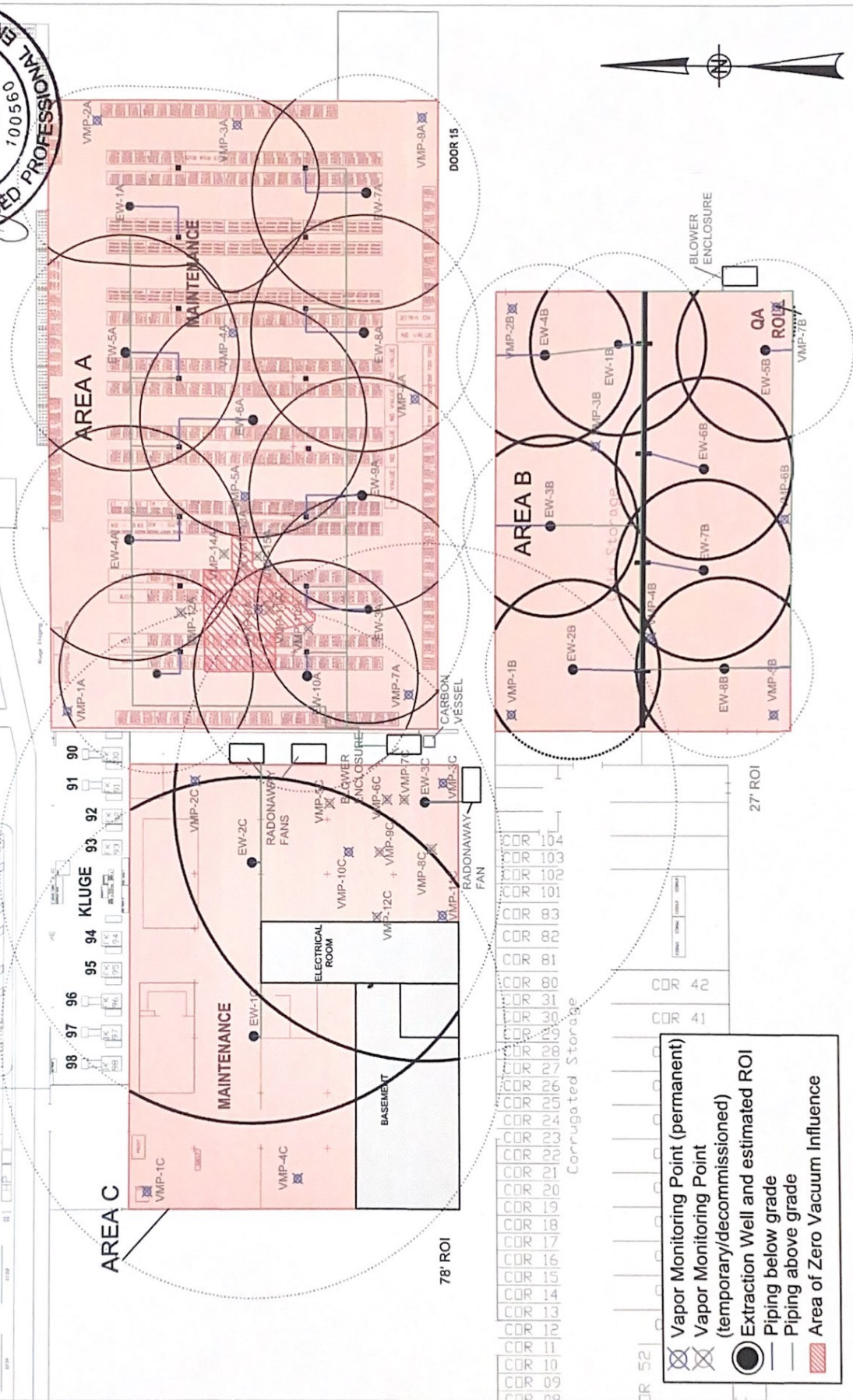


FIGURE 2A.

Area A SSD System Layout and Piping Diagram

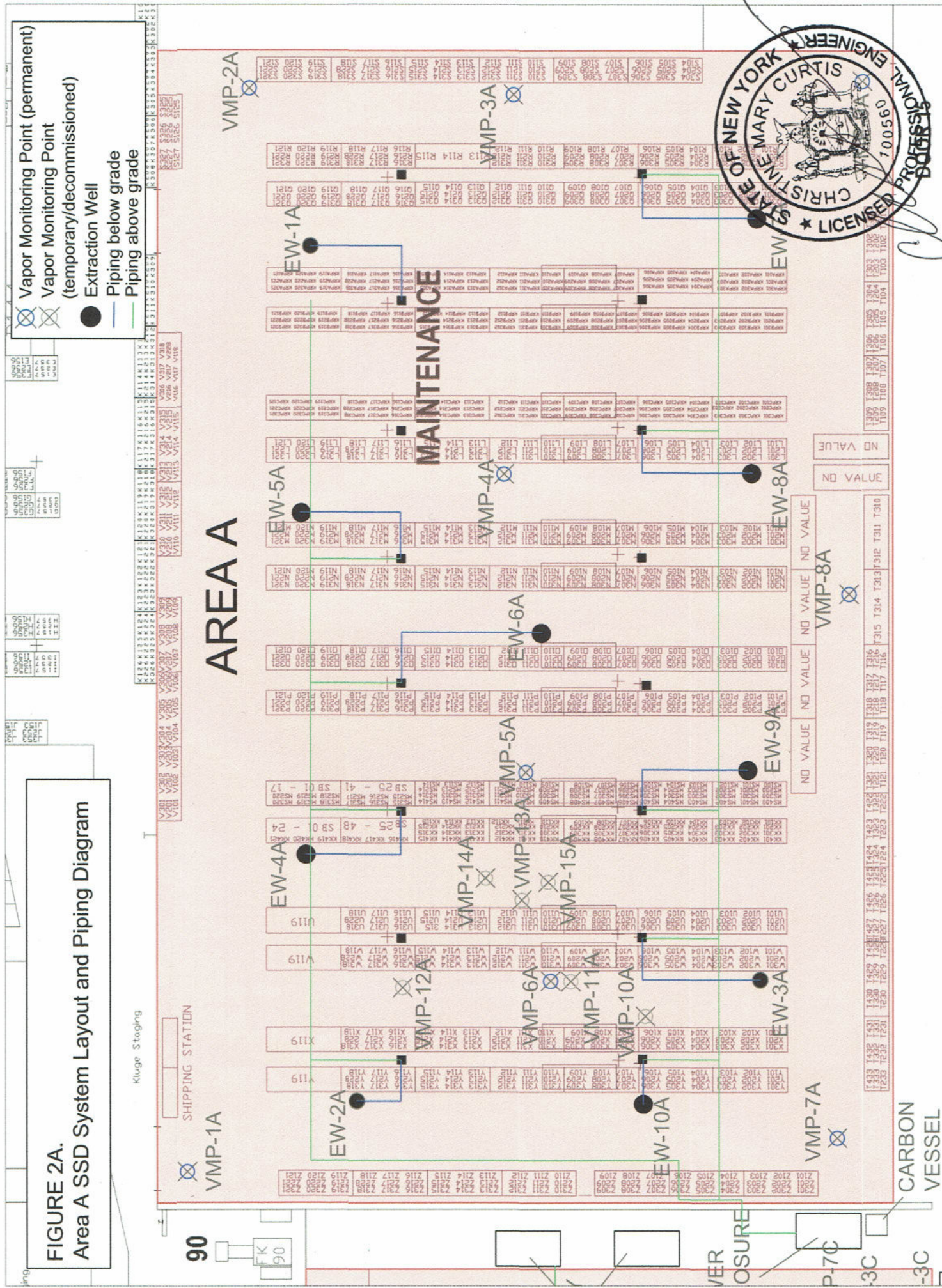
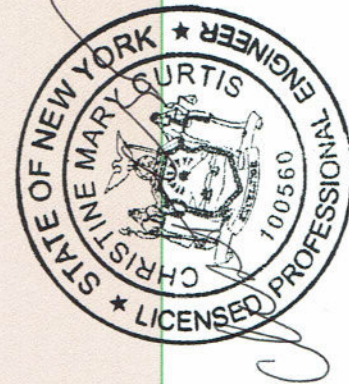
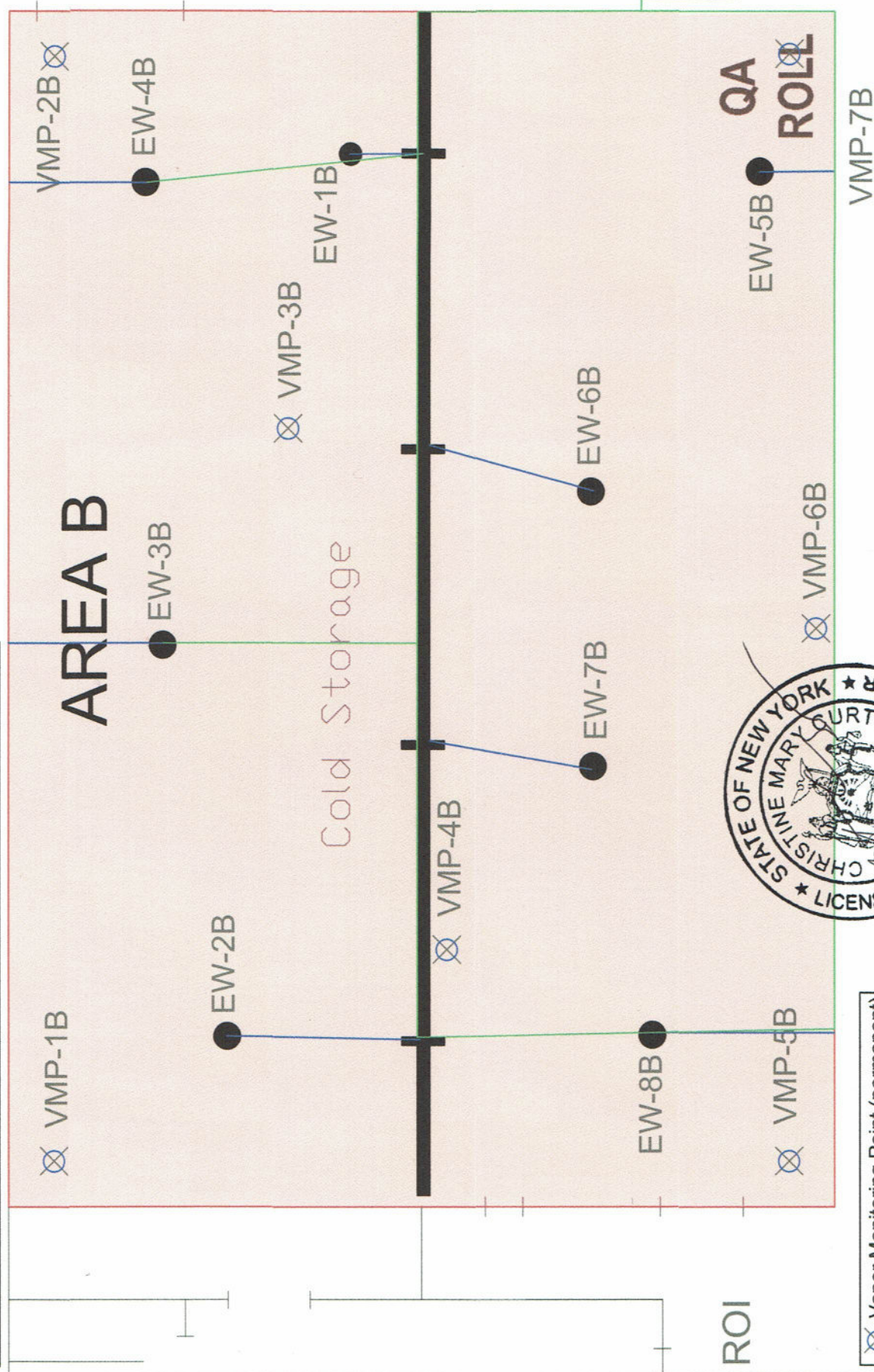
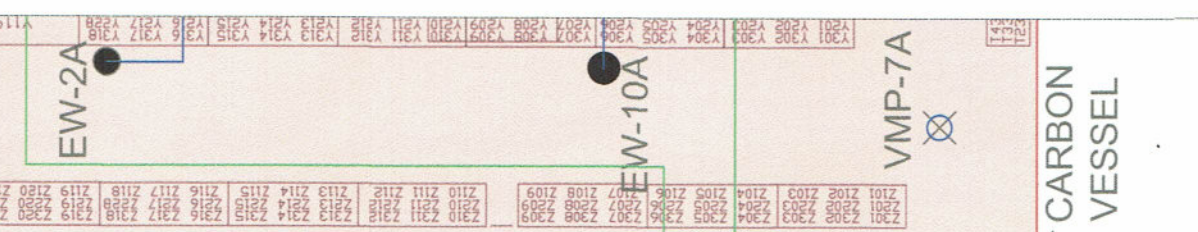


FIGURE 2B.
Area B SSD System Layout and Piping Diagram



- ⊗ Vapor Monitoring Point (permanent)
- ⊗ Vapor Monitoring Point (temporary/decommissioned)
- Extraction Well
- Piping below grade







 Vapor Monitoring Point (permanent)
 Vapor Monitoring Point (temporary/decommissioned)
 Extraction Well
 Piping below grade

FIGURE 3A.
AREA A SSD SYSTEM LAYOUT - PROFILE VIEW

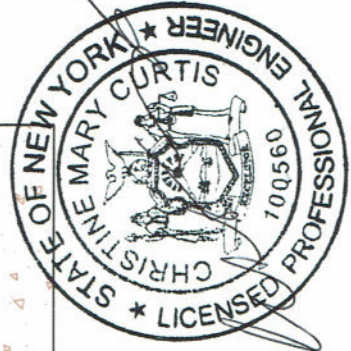
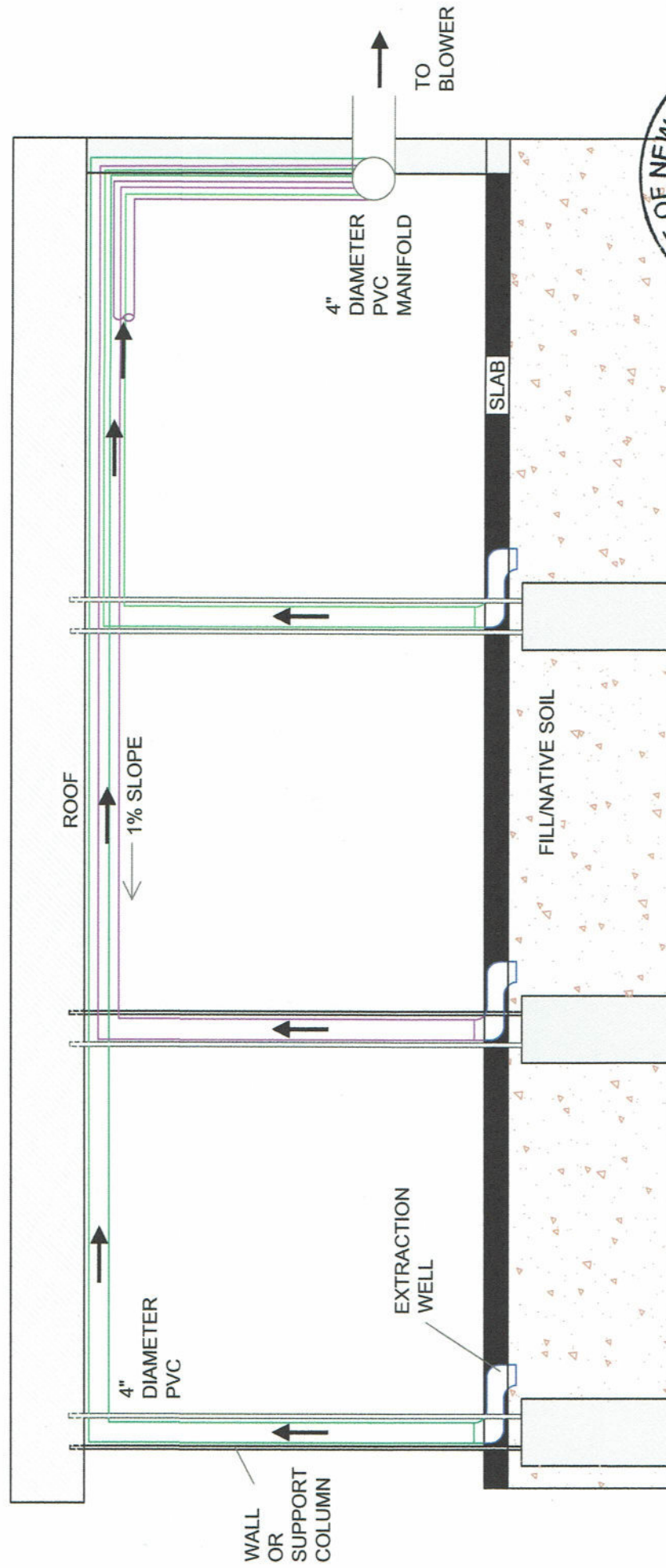


FIGURE 3B.
AREA B SSD SYSTEM LAYOUT - PROFILE VIEW

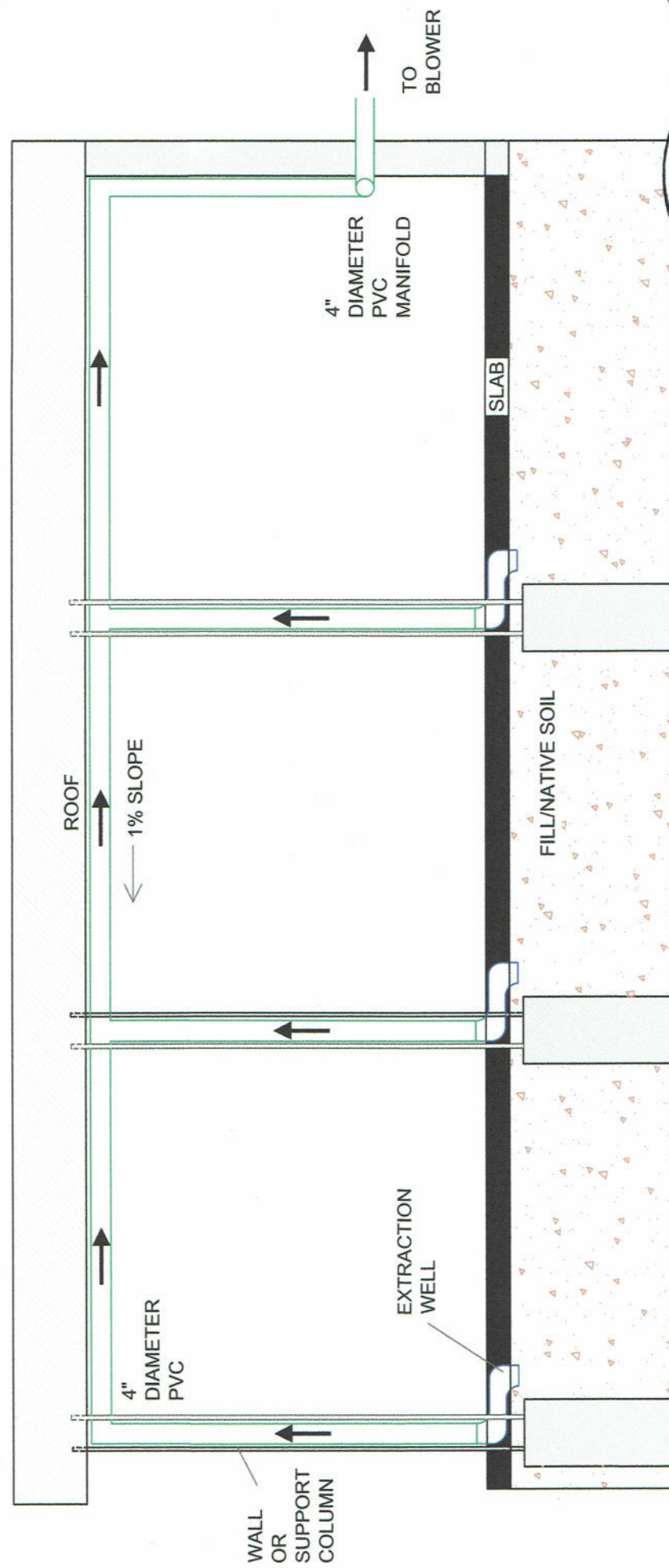
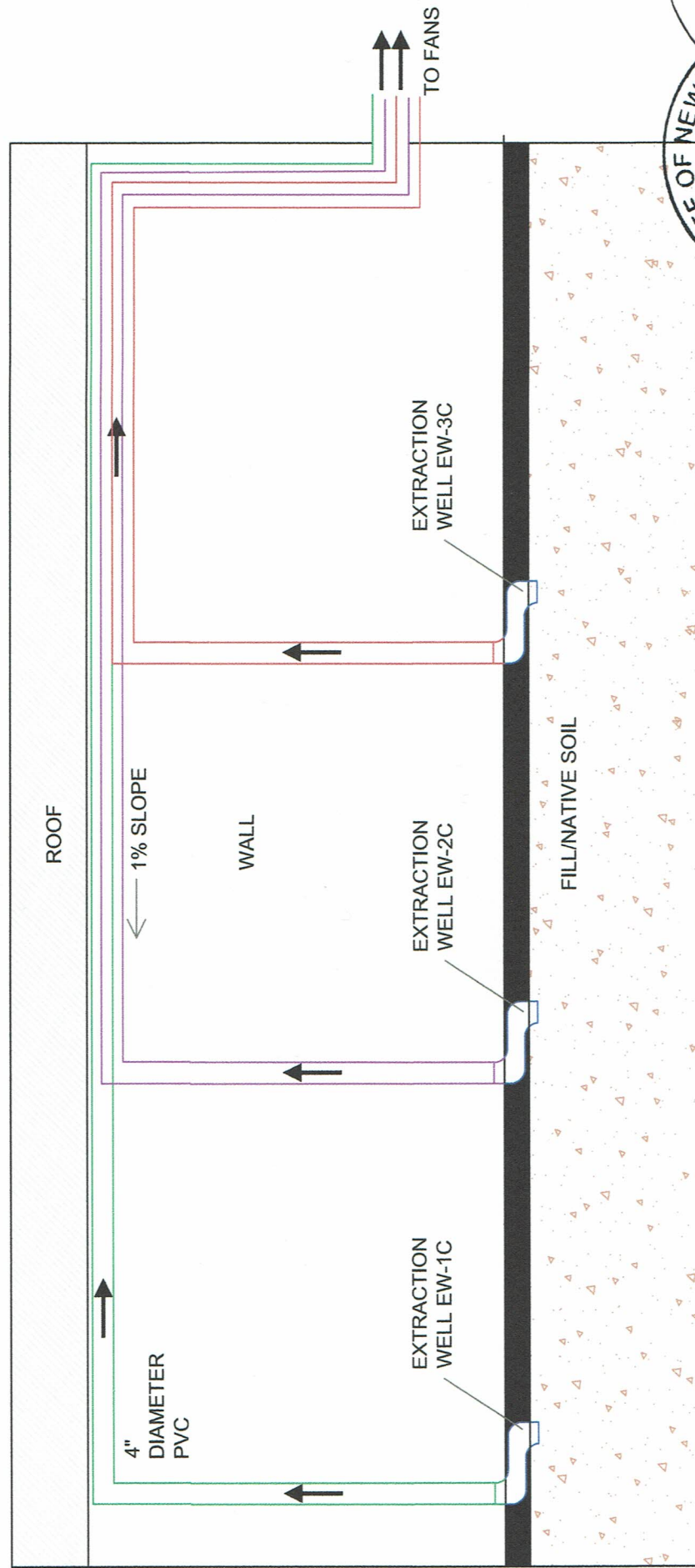


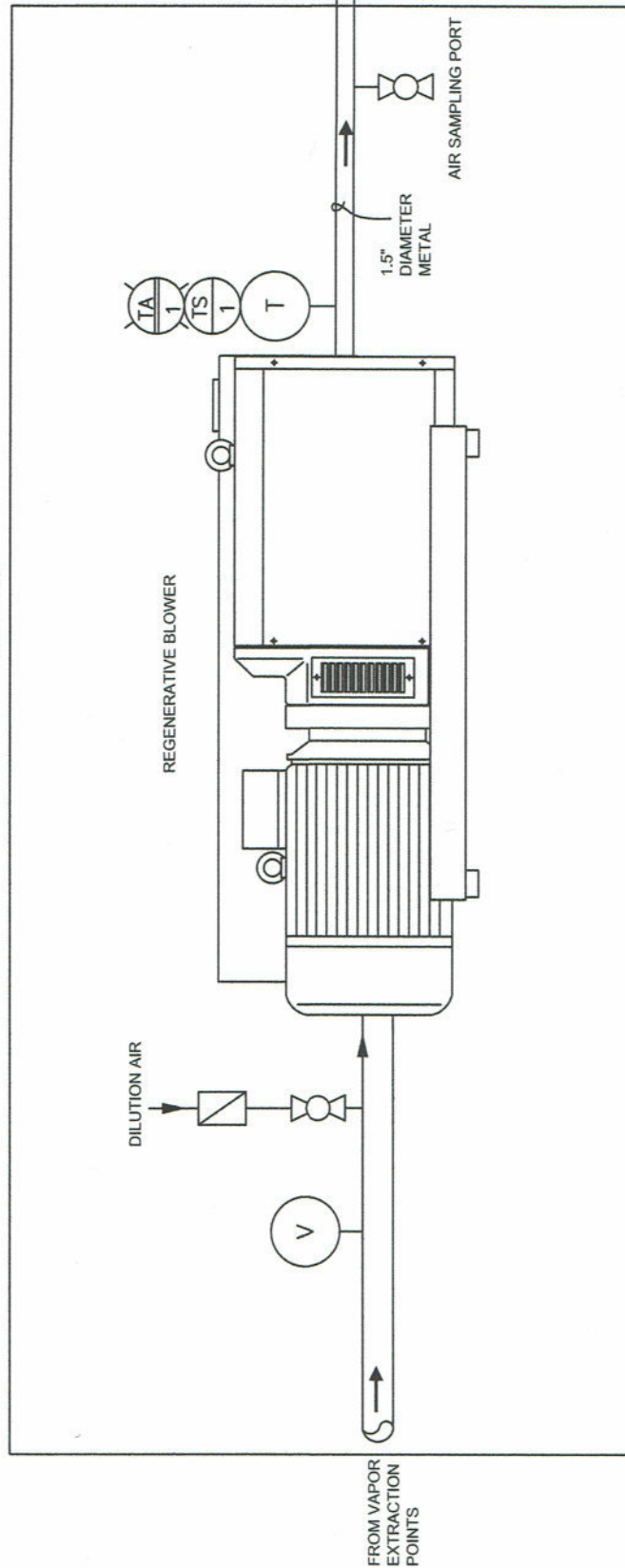
FIGURE 3C.
AREA C SSD SYSTEM LAYOUT - PROFILE VIEW



**FIGURE 4
PROCESS & INSTRUMENTATION DIAGRAMS**

AREA A and AREA B

ENCLOSURE



AREA C

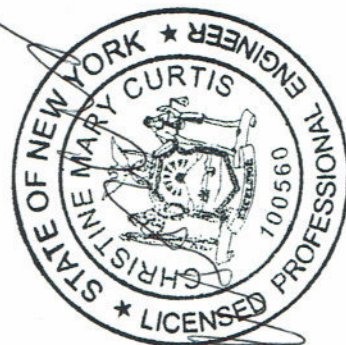
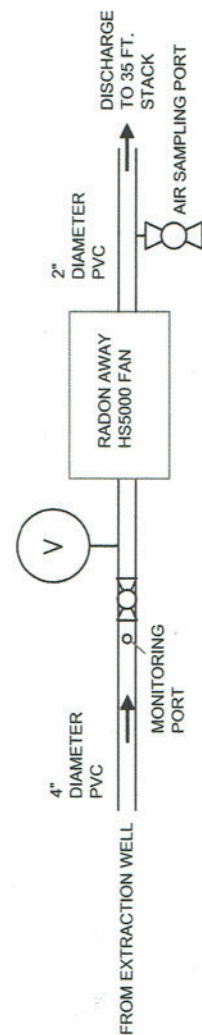


FIGURE 5
REVISED AREA C
PROCESS & INSTRUMENTATION DIAGRAM

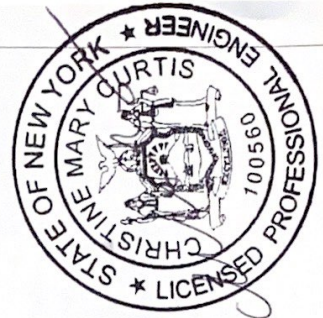
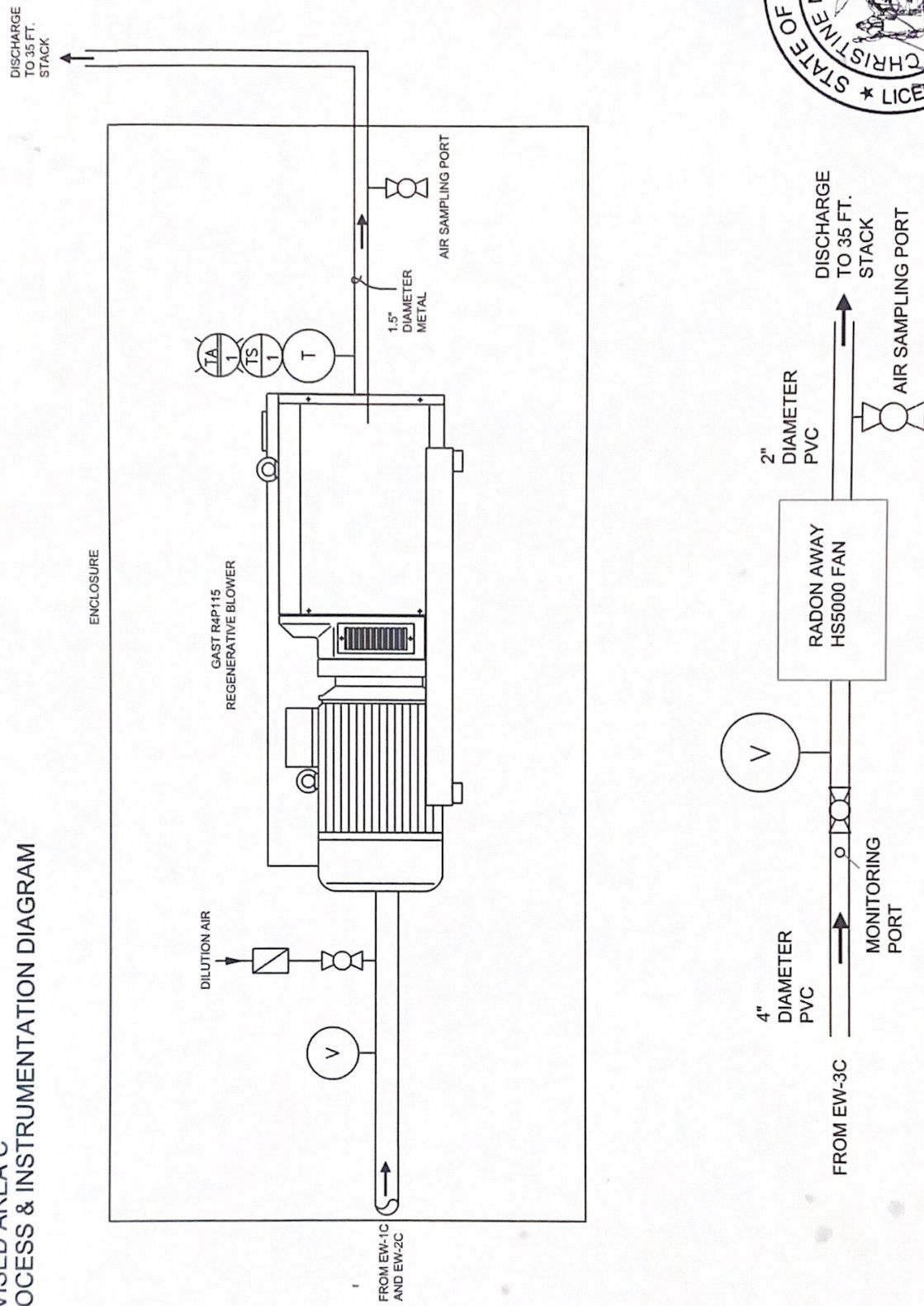
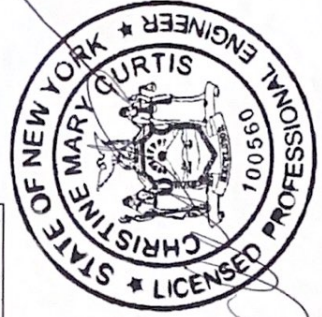
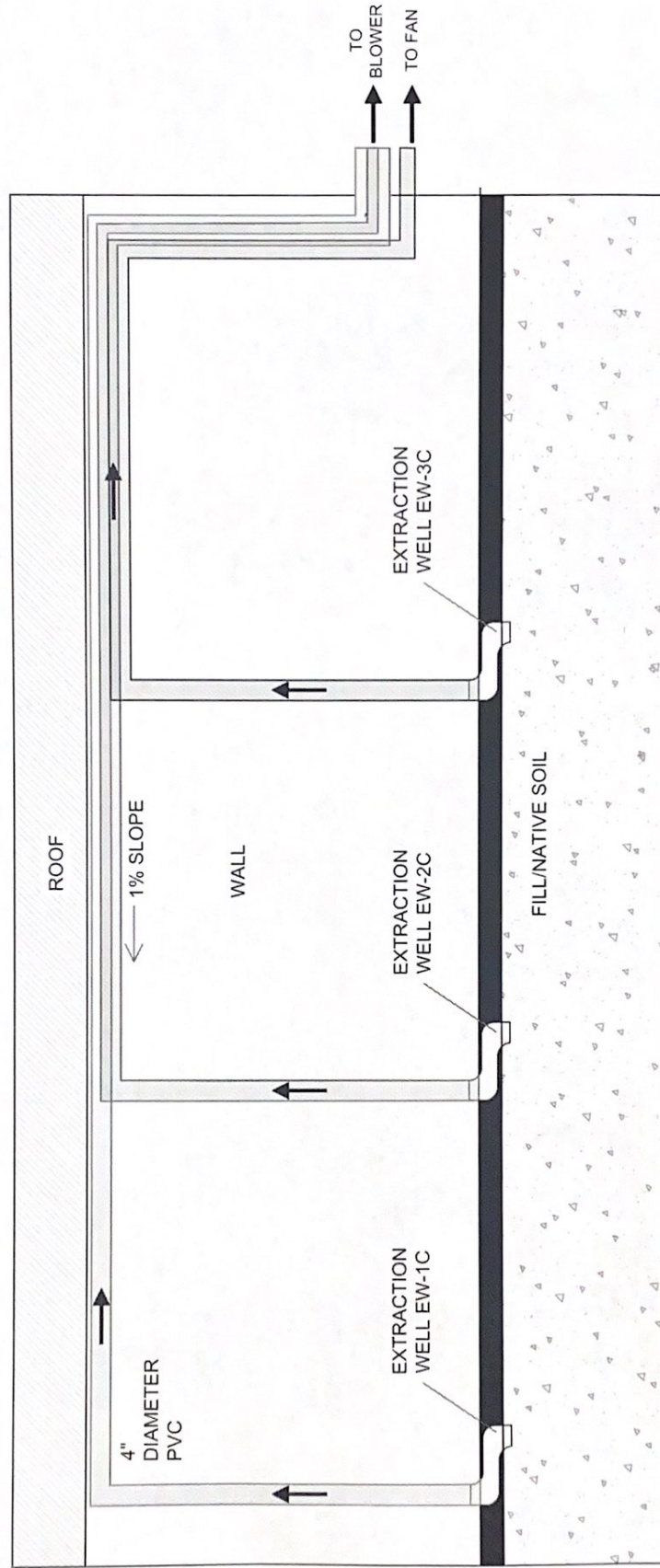


FIGURE 6.
REVISED AREA C SSD SYSTEM LAYOUT - PROFILE VIEW



TABLES

Table 1A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area A - Finished Product Storage Area

Date	Extraction Wells (in WC)										Blower (in WC)	Pre-carbon PID Reading (ppm)	Post-carbon PID Reading (ppm)
	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A			
9/26/2019	14.5	14.5	15.5	14.5	15	1	14.5	15	14.5	15.5	12	3.3	1.5
10/3/2019	14	14	15	14	14	1	14	15	14	15	12	52.6	12.7
10/9/2019	13	13.5	14	13.5	13.5	1	13.5	14	13.5	14.5	13	0.0	0.0
11/5/2019	11.5	12	12.5	11.5	12	1	12	12	11.5	12.5	10	4.7	0.5
12/3/2019	11	11.5	12	11	11.5	1	11.5	11.5	11.5	12	10	1.0	0.1
1/22/2020												0.2	0.0
2/11/2020	10	10.5	11	10.5	11	1	11	11	10.5	11.5	9	0.5	0.0
3/27/2020	10	10	11	10.5	11	1	10.5	10.5	10	11	8	47.8	27.1
6/29/2020	13	13	13.5	13	13	1	13	13	13	13.5	14	0.4	0.4
7/31/2020												0.0	0.0
8/28/2020												0.0	0.0
9/15/2020	13.5	14	14.5	14	14	1	14	14.5	14.5	15	14	2.7	1.1
10/15/2020												7.8	4.6
11/4/2020												0.0	0.0
12/8/2020	12.5	13	13.5	13	13	1	13	14	13	14	12	0.6	0.0
1/4/2021												0.4	0.0
2/18/2021												1.0	0.0
3/30/2021	13	14	14	14	14	0	14	14	14	15	12	0.0	0.0
4/14/2021												0.4	0.0
5/20/2021												0.4	0.0
6/11/2021	16	16	16	16	16	0	16	17	17	17	15	0.1	0.0
7/1/2021											16	0.0	0.0
8/25/2021											18	0.0	0.0
9/8/2021	17	17	18	18	17	0	18	18	18	18	16	0.3	0.0
10/20/2021												0.0	0.0
11/19/2021												0.0	0.0
12/10/2021	16	16	17	16	17	0	17	17	17	17	15	7.6	0.0
1/11/2022											19	0.0	0.0
2/2/2022												0.08	0.0
3/10/2022	15.5	16.5	17	16.5	16.5	1	16.5	17	17	17	12	0.0	0.0
4/21/2022											19	0.0	0.0
5/16/2022											18	0.0	0.0
6/6/2022	16	17	17	16	17	0	17	17	17	17	19	0.0	0.0
7/28/2022											19	1.4	0.0
8/26/2022											19	0.5	0.0
9/22/2022	18	18	19	18	18	0	18	19	19	19	18	1.2	0.1
10/13/2022	18	18	18	18	18	0	18	18	18	19	19	0.2	0.0
11/7/2022	18	18	18	18	18	0	18	18	18	18	19	0.0	0.0
12/9/2022	18	18	18	18	18	0	18	18	18	18	19	0.0	0.0
1/31/2023	16	17	18	17	17	0	17	18	17	18	18	0.0	0.0
2/21/2023	16	17	18	17	17	0	17	18	17	18	18	0.0	0.0
3/10/2023	18	18	18	18	18	0	18	18	18	18	19	0.0	0.0
4/6/2023											20	0.0	0.0

Table 1A
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area A - Finished Product Storage Area

Date	Vapor Monitoring Points (in WC)								
	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
9/26/2019	- 0.066	- 0.044	- 0.075	- 0.161	- 0.128	+ 0.000	- 0.025	- 0.021	- 0.173
10/3/2019	- 0.065	- 0.037	- 0.053	- 0.139	- 0.116	+ 0.000	- 0.019	- 0.017	- 0.105
10/9/2019	- 0.061	- 0.034	- 0.045	- 0.110	- 0.103	+ 0.000	- 0.020	- 0.015	- 0.100
11/5/2019	- 0.041	- 0.029	- 0.023	- 0.067	- 0.062	+ 0.010	- 0.013	+ 0.000	- 0.067
12/3/2019	- 0.045	- 0.025	- 0.031	- 0.066	- 0.056	+ 0.020	- 0.010	+ 0.000	- 0.054
2/11/2020	- 0.037	- 0.020	- 0.015	- 0.045	- 0.036	+ 0.015	+ 0.000	+ 0.000	- 0.037
3/27/2020	- 0.025	- 0.023	- 0.016	- 0.032	- 0.032	+ 0.010	+ 0.000	+ 0.000	- 0.022
6/29/2020	- 0.053	- 0.064	- 0.063	- 0.124	- 0.080	NG	- 0.010	- 0.017	- 0.094
9/15/2020	- 0.053	- 0.052	- 0.043	- 0.093	- 0.033	NG	- 0.017	- 0.014	- 0.058
12/8/2020	-0.048	-0.033	-0.026	-0.152	-0.05	NG	+0.000	+0.000	-0.065
3/30/2021	-0.038	-0.052	-0.032	-0.063	-0.022	NG	-0.020	-0.014	-0.047
6/11/2021	-0.073	-0.065	-0.055	-0.105	-0.074	NG	-0.026	-0.022	-0.074
9/8/2021	-0.091	-0.088	-0.075	-0.140	-0.086	NG	-0.028	-0.190	-0.149
12/10/2021	-0.065	-0.056	-0.043	-0.068	-0.052	NG	-0.017	-0.005	-0.088
3/10/2022	-0.045	-0.04	-0.045	-0.080	-0.04	+0.013	-0.010	+0.000	-0.097
3/31/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
4/21/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
5/16/2022	NG	NG	NG	NG	NG	NG	NG	+0.000	NG
6/6/2022	-0.068	-0.060	-0.068	-0.097	-0.056	+0.000	-0.027	+0.000	-0.110
7/28/2022	NG	NG	NG	NG	NG	NG	NG	-0.018	NG
9/22/2022	-0.100	-0.098	-0.105	-0.157	-0.082	+0.000	-0.032	-0.016	-0.149
10/13/2022	-0.069	-0.063	-0.071	-0.126	-0.071	+0.000	-0.025	-0.018	-0.122
11/7/2022	-0.077	-0.063	-0.084	-0.122	-0.059	+0.000	-0.021	+0.000	-0.115
12/9/2022	-0.074	-0.043	-0.046	-0.089	-0.048	+0.000	-0.022	+0.000	-0.110
1/31/2023	-0.059	-0.040	-0.042	-0.067	-0.039	+0.000	-0.014	+0.000	-0.078
2/21/2023	-0.059	-0.048	-0.061	-0.083	-0.040	+0.000	-0.019	-0.007	-0.100
3/10/2023	-0.052	-0.032	-0.054	-0.067	-0.032	+0.000	+0.000	+0.000	-0.039
4/12/2023	NG	NG	NG	NG	NG	NG	-0.025	0.000	NG

Note:

1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. N/A = Not Accessible; NG = Not Gauged

Table 1B
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area B - Cold Storage Garage

Date	Extraction Wells (in WC)								Blower (in WC)	System Effluent PID Reading (ppm)
	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B		
9/26/2019	13	13.5	13.5	14.5	13.5	14	13	12	10.5	1.3
10/3/2019	13	13.5	13.5	14	13.5	14	13	12	10	1.4
10/9/2019	12.5	13	13	13.5	13	13.5	12	12	10	0.0
11/5/2019	12	13	12.5	13	12.5	13	11.5	11	9	0.5
12/3/2019	11	11	11	11.5	11	11.5	10.5	10	8	0.1
1/22/2020										0.0
2/11/2020	12.5	13	13	13.5	13	13.5	12	11.5	9	0.0
3/27/2020	14	15	14	15	15	15	14	13.5	10	0.0
6/29/2020	16	12	17	12.5	17	17	16	15.5	16	0.0
7/31/2020										0.0
8/28/2020										0.0
9/15/2020	17	18	17	18	18	18	17	16.5	16	2.7
10/15/2020										0.3
11/4/2020										0.0
12/8/2020	16.5	17	17	17	17	17	16.5	16	13	0.4
1/4/2021										0.0
2/18/2021										0.0
3/30/2021	16	17	17	17	17	17	16	16	12	0.0
4/14/2021										0.0
5/20/2021										0.1
6/11/2021	18	18	19	20	19	19	18	18	18	0.0
7/1/2021									18	0.0
8/25/2021									20	0.0
9/8/2021	20	21	22	23	22	22	21	21	19	0.0
10/20/2021										0.0
11/19/2021										0.0
12/10/2021	20	20	21	21	21	21	20	20	16	0.0
1/11/2022									19	0.0
2/2/2022										0.0
3/10/2022	22	23	23	23.5	22.5	23	22.5	22	20	0.0
4/21/2022									19	0.0
5/16/2022									19	0.0
6/6/2022	26	27	27	28	27	27	27	26	19	0.0
7/28/2022									25	0.5
8/26/2022									23	0.0
9/22/2022	28	29	30	30	29	30	29	28	26	2.6
10/13/2022	31	32	33	33	32	34	32	32	20	0.8
11/7/2022	31	32	33	33	33	34	32	32	18	0.0
12/8/2022	32	33	34	34	33	34	33	32	19	0.0
1/31/2023	31	32	33	33	32	33	32	32	19	0.0
2/21/2023	30	31	32	32	31	32	31	30	26	0.0
3/10/2023	32	32	32	32	32	32	32	32	19	0.0
4/6/2023									24	0.0

Table 1B
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area B - Cold Storage Garage

Date	Vapor Monitoring Points (in WC)						
	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
9/26/2019	N/A	- 0.065	- 0.419	N/A	- 0.044	- 0.016	- 0.200
10/3/2019	- 0.023	- 0.062	- 0.303	- 0.383	- 0.037	- 0.018	- 0.196
10/9/2019	- 0.018	- 0.055	- 0.258	- 0.329	- 0.030	- 0.010	- 0.178
11/5/2019	- 0.016	- 0.018	- 0.217	- 0.271	- 0.014	+ 0.000	- 0.171
12/3/2019	- 0.014	- 0.032	- 0.114	- 0.156	+ 0.000	+ 0.000	- 0.136
2/11/2020	+ 0.000	- 0.040	N/A	- 0.161	N/A	+ 0.000	- 0.072
3/27/2020	+ 0.000	- 0.040	- 0.163	- 0.171	+ 0.000	- 0.010	- 0.152
6/29/2020	- 0.018	- 0.064	- 0.354	- 0.343	- 0.026	- 0.022	- 0.0198
9/15/2020	- 0.017	- 0.041	- 0.118	- 0.361	- 0.045	- 0.005	- 0.160
12/8/2020	+0.000	-0.02	-0.137	-0.208	+0.000	+0.000	-0.203
3/30/2021	- 0.010	- 0.045	- 0.162	- 0.219	+0.000	- 0.010	- 0.197
4/14/2021	NG	NG	NG	NG	+0.000	NG	NG
5/20/2021	NG	NG	NG	NG	-0.014	NG	NG
6/11/2021	-0.045	-0.051	-0.262	-0.903	-0.039	-0.016	-0.201
9/8/2021	-0.045	-0.058	-0.285	-1.020	-0.034	-0.041	-0.060
12/10/2021	-0.010	-0.40	-0.189	-0.177	-0.004	+0.000	-0.190
1/11/2022	NG	NG	NG	NG	NG	-0.012	NG
3/10/2022	-0.012	-0.032	-0.141	-0.262	+0.000	+0.000	-0.133
3/31/2021	NG	NG	NG	NG	-0.167	-0.014	NG
6/6/2022	-0.014	-0.050	-0.211	-0.299	+0.000	-0.016	-0.026
7/28/2022	NG	NG	NG	NG	-0.010	NG	NG
9/22/2022	-0.019	-0.057	-0.238	-0.328	-0.017	-0.020	-0.263
10/13/2022	-0.045	-0.063	-0.123	-0.215	-0.035	-0.018	-0.131
11/7/2022	-0.014	-0.057	-0.218	-0.312	+0.000	-0.016	-0.232
12/8/2022	-0.017	-0.043	-0.153	-0.298	+0.000	-0.015	-0.156
1/31/2023	-0.009	-0.044	-0.187	-0.279	+0.000	-0.012	-0.158
2/21/2023	-0.10	-0.045	N/A	-0.299	+0.000	-0.014	-0.165
3/10/2023	-0.015	-0.030	-0.046	-0.266	+0.000	-0.015	-0.035
4/12/2023	NG	NG	NG	NG	+0.000	NG	NG

Note:

1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. N/A indicates the VMP was not accessible during the time of the system check
3. Blank space indicates that data was not collected
4. in WC = inches water column; ppm = parts per million;
5. NG = Not Gauged

Table 1C
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area C - Maintenance Area

Date	Extraction Wells (in WC)			Fan System Effluent PID Reading (ppm)		
	EW-1C	EW-2C	EW-3C	EW-1C	EW-2C	EW-3C
9/26/2019	43	40		1.4	0.7	
10/3/2019	44	45		1.0	4.5	
10/9/2019	44.5	45.5		0.0	0.0	
11/5/2019	44	46		0.0	0.4	
12/3/2019		39	28		1.2	0.4
1/22/2020					0.4	0.0
2/11/2020	31	30	27.5	0.2	0.0	0.0
3/27/2020	29	32	28	0.0	0.0	0.0
6/29/2020	27	31	29	0.0	0.0	0.0
7/31/2020				0.0	0.0	0.0
8/28/2020				0.0	0.0	0.0
9/15/2020	28.5	31	29	0.0	0.0	0.0
10/15/2020				0.0	0.0	0.0
11/4/2020				0.0	0.0	0.0
12/8/2020	31	31	29	0.0	0.0	0.0
1/4/2021				0.0	0.0	0.0
2/18/2021						0.0
3/30/2021		32	30		0.0	0.0
4/14/2021					0.1	0.0
5/20/2021				0.0	0.0	0.0
6/11/2021	23	31	30	0.0	0.0	0.0
7/1/2021				0.0	0.0	0.0
8/25/2021				0.0	0.0	0.0
9/8/2021	29	31	30	0.0	0.0	0.0
10/20/2021				0.0	0.0	0.0
11/19/2021				0.0	0.0	0.0
12/10/2021	30	32	30	4.7	0.0	0.0
1/11/2022				0.0	0.0	0.0
2/2/2022				0.0	0.0	0.0
3/10/2022	11	32	31	0.0	0.0	0.0
4/21/2022				0.0	0.0	0.0
5/16/2022				0.0	0.0	0.0
6/6/2022	28	31	32	0.0	0.0	0.0
7/28/2022				1.5	0.7	0.1
8/26/2022				0.1	0.0	0.0
9/22/2022	29	31	32	0.0	0.0	0.0
10/13/2022	29	31	0	0.0	0.0	NG
11/7/2022	29	31	0	0.0	0.0	NG
12/9/2022	30	30	30	0.0	0.0	0.0
1/31/2023	0	0	30	NG	NG	0.0
2/21/2023	NG	NG	NG	NG	NG	NG
3/10/2023	0	0	30	0.0	0.0	0.0
4/6/2023	0	0	28	NG	NG	0.0

Table 1C
MOD-PAC CORP., 1801 Elmwood Ave, Buffalo, NY
SSDS Post Installation Monitoring Results
Area C - Maintenance Area

Date	Vapor Monitoring Points (in WC)					
	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
9/26/2019	- 0.046	- 0.085	+ 0.000	- 0.061		
10/3/2019	- 0.055	- 0.092	+ 0.000	- 0.081		
10/9/2019	- 0.037	- 0.075	+ 0.000	- 0.060		
11/5/2019	- 0.042	- 0.067	+ 0.000	- 0.067		
12/3/2019	+ 0.000	- 0.027	- 0.026	+ 0.004	- 0.045	- 0.018
2/11/2020	- 0.019	- 0.026	- 0.032	- 0.038	- 0.045	- 0.020
3/27/2020	- 0.019	- 0.033	- 0.038	- 0.029	- 0.060	- 0.021
6/29/2020	- 0.019	- 0.050	- 0.040	- 0.018	- 0.061	- 0.044
9/15/2020	- 0.012	- 0.040	- 0.038	- 0.024	- 0.039	- 0.017
12/8/2020	-0.012	-0.038	-0.026	-0.021	-0.038	-0.016
3/30/2021	+ 0.000	- 0.022	- 0.037	+ 0.000	- 0.025	- 0.020
6/11/2021	-0.020	-0.054	-0.039	-0.024	-0.058	-0.097
9/8/2021	-0.049	-0.042	-0.040	-0.075	-0.066	-0.022
12/10/2021	-0.026	-0.040	-0.038	-0.021	-0.059	-0.025
2/2/2022	+0.000	-0.028	-0.038	-0.012	-0.034	-0.019
3/10/2022	+0.000	-0.031	-0.038	+0.000	-0.042	-0.022
3/31/2022	-0.021	NG	NG	-0.030	NG	NG
6/6/2022	-0.019	-0.058	-0.037	-0.024	-0.076	-0.039
9/22/2022	-0.021	-0.059	-0.041	-0.018	-0.086	-0.046
10/13/2022	-0.033	-0.042	+0.000	-0.044	-0.044	+0.000
11/7/2022	-0.016	-0.048	+0.000	-0.023	-0.055	+0.000
12/9/2022	-0.041	-0.03	-0.039	-0.045	-0.056	-0.022
1/31/2023	NG	NG	NG	NG	NG	NG
2/21/2023	NG	NG	NG	NG	NG	NG
3/10/2023	+0.000	+0.000	-0.031	+0.000	-0.045	-0.019

Note:

1. Yellow shading indicates that samples did not meet the minimum 0.002 inches WC
2. Blank space indicates that data was not collected
3. in WC = inches water column; ppm = parts per million;
4. N/A = Not Accessible; NG = Not Gauged
5. Please note that a blower is not included within the extraction system of Area C and that the extraction system is operated by fans.

Table 2
Summary of SSD Systems Operations, Monitoring & Maintenance Activities
 April 25, 2022 - April 24, 2023

MOD-PAC CORP.
 1801 Elmwood Avenue
 Buffalo, NY

Date	Operations & Maintenance Activity
10/13/2022	Installed heat trace and insulation on EW-1C and EW-2C discharge lines. The EW-3C fan was found to be non-functional.
12/9/2022	The EW-3C fan was replaced and activated. Installed heat trace and insulation on discharge line. Carbon changeout was completed (Area A system).
1/10/2023	EW-1C and EW-2C fans were found to be non-functional. The fans were removed for evaluation and repair. It was determined that the fans could not be repaired and require replacement.

Date	Monitoring Activity
5/16/2022	Monthly systems inspection.
6/6/2022	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
7/28/2022	Monthly systems inspection.
8/26/2022	Monthly systems inspection.
9/22/2022	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
10/13/2022	Monthly systems inspection.
11/7/2022	Monthly systems inspection.
12/9/2022	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
1/31/2023	Monthly systems inspection.
2/21/2023	Monthly systems inspection.
3/8/2023	Indoor air sampling was completed in Area A and Area B.
3/10/2023	Quarterly systems inspection. Pre-carbon and post-carbon air samples were collected from the Area A system and submitted for laboratory analysis.
4/6/2023	Monthly systems inspection.
4/12/2023	Annual systems inspection.

APPENDIX A

Site Inspection Report

MOD-PAC CORP.
1801 Elmwood Ave., Buffalo NY
BCP Site #C915314
METI Project #15017

Page 1/2

Inspection Performed By:

Steve Marchetti

Sr. Project Manager

Matrix Environmental Technologies Inc.

Others Present:

(company)

(name)

(title)

(company)

Inspection Date: _____

Type of Inspection: Annual / Non-Routine Inspection

Area A

Description of Engineering Controls:

Type of engineering control?

Sub-slab depressurization system (1 blower, 10 extraction wells)

Are the engineering controls still in place?

Yes

Is the Site Management Plan still in place?

Yes

Repair or Maintenance Performed:

Greased Blower

Intrusive Activities Performed:

None Required, ~~There~~ Filling in Cracks is needed
on flooring. might Influence Vacuum readings

Area B

Description of Engineering Controls:

Type of engineering control?

Sub-slab depressurization system (1 blower, 8 extraction wells)

Are the engineering controls still in place?

Yes

Page 2/2

Is the Site Management Plan still in place?

Yes

Repair or Maintenance Performed:

Greased Blower

Intrusive Activities Performed:

None Needed

Area C

Description of Engineering Controls:

Type of engineering control?

Sub-slab depressurization systems (3 fans, 3 extraction wells)

Are the engineering controls still in place?

Only ^{Fan} EW3C is operating - other 2 Fans Broken (EW1C + EW2C)

Is the Site Management Plan still in place?

Yes

Repair or Maintenance Performed:

Need new fans for EW1C + EW2C. They are

Currently not operating

Intrusive Activities Performed:

None

APPENDIX B

Area C Blower Specifications



GAST MANUFACTURING, INC.
A Unit of IDEX Corporation
Post Office Box 97
Benton Harbor, Michigan
Ph: 269/926-6171
Fax: 269/925-8288

PART NUMBER:

LTD144

REV.

E

Product Specifications

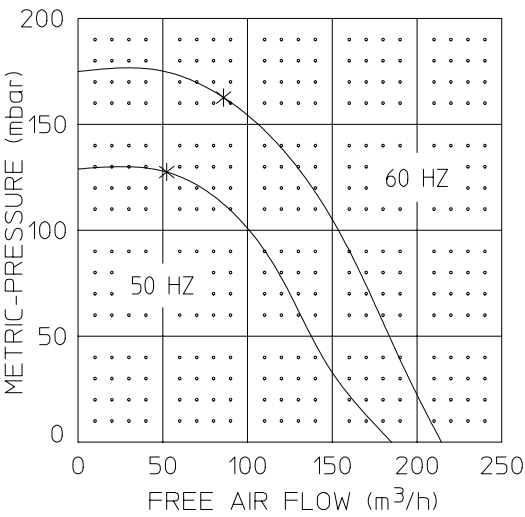
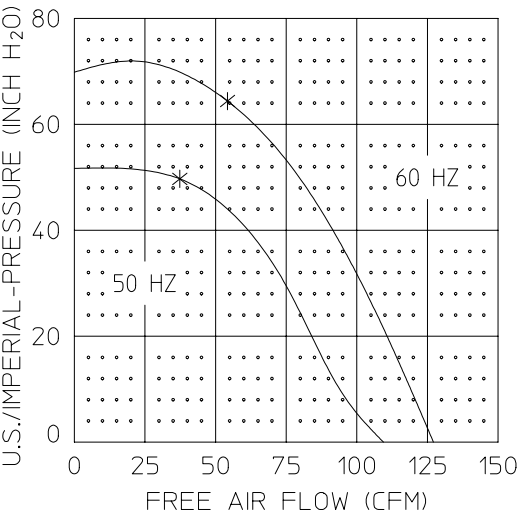
MODEL NUMBER	MOTOR SPECIFICATIONS	RPM	MAX VAC		MAX PRESS		HP	kW	NET WT.	
			"H ₂ O	mbar	"H ₂ O	mbar			lbs.	kg
R4P115	110/220-240-50-1	2850	45	112	50	125	1.0	0,75	62	28,2
	115/208-230-60-1	3450	60	149	65	162	1.5	1,1		

SOUND LEVEL 74/72 dB(A) MAX. @ 60/50 Hz
NORMAL AMBIENT -29°C TO 40°C
RELATIVE HUMIDITY 0% - 100% NON CONDENSING
ENVIRONMENT CLEAN DUST FREE

TECHNICAL DATA SUBJECT TO
CHANGE WITHOUT NOTICE.

※ = RECOMMENDED MAXIMUM DUTY

Product Performance (Metric U.S. Imperial)



PERFORMANCE DATA
THE PERFORMANCE DATA SHOWN WAS DETERMINED
UNDER THE FOLLOWING CONDITIONS:

LINE VOLTAGE @ 60 Hz. 230V OR 460V FOR 3 PHASE
UNITS. 115V OR 230V FOR 1 PHASE UNITS.

LINE VOLTAGE @ 50 Hz. 220V FOR 3 PHASE OR 1
PHASE UNITS.

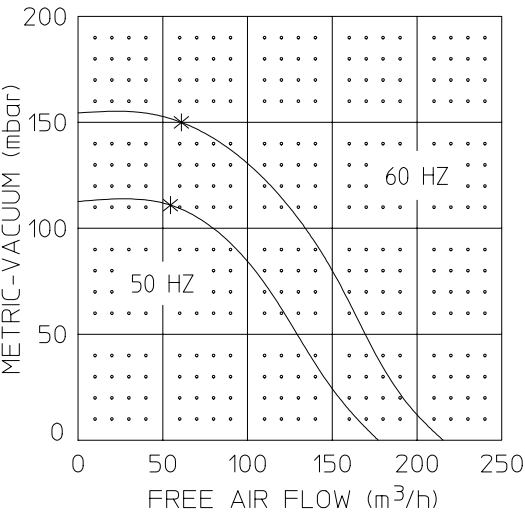
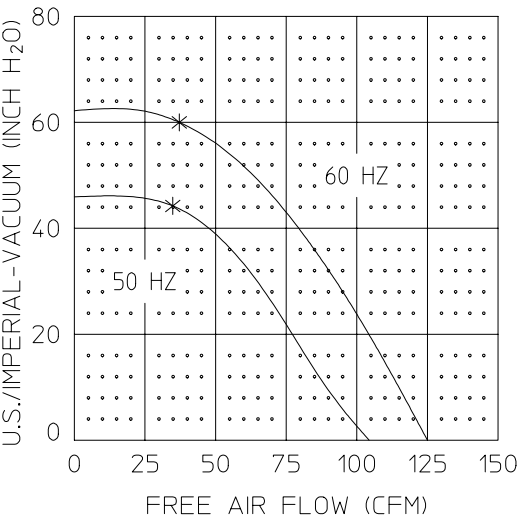
UNITS IN A TEMPERATURE STABLE CONDITION.

DELIVERY MEASUREMENTS MADE WITH OUTPUT PORT
THROTTLED.

SUCTION MEASUREMENTS MADE WITH INPUT PORT
THROTTLED.

TEST CONDITIONS: INLET AIR DENSITY @ 0.075 lbs. per
cu. ft. [20°C (68°F), 29.92" Hg (14.7 PSIA)].

NORMAL PERFORMANCE VARIATIONS ON THE RISISTANCE
CURVE WITHIN ±10% OF SUPPLIED DATA CAN BE EXPECTED.



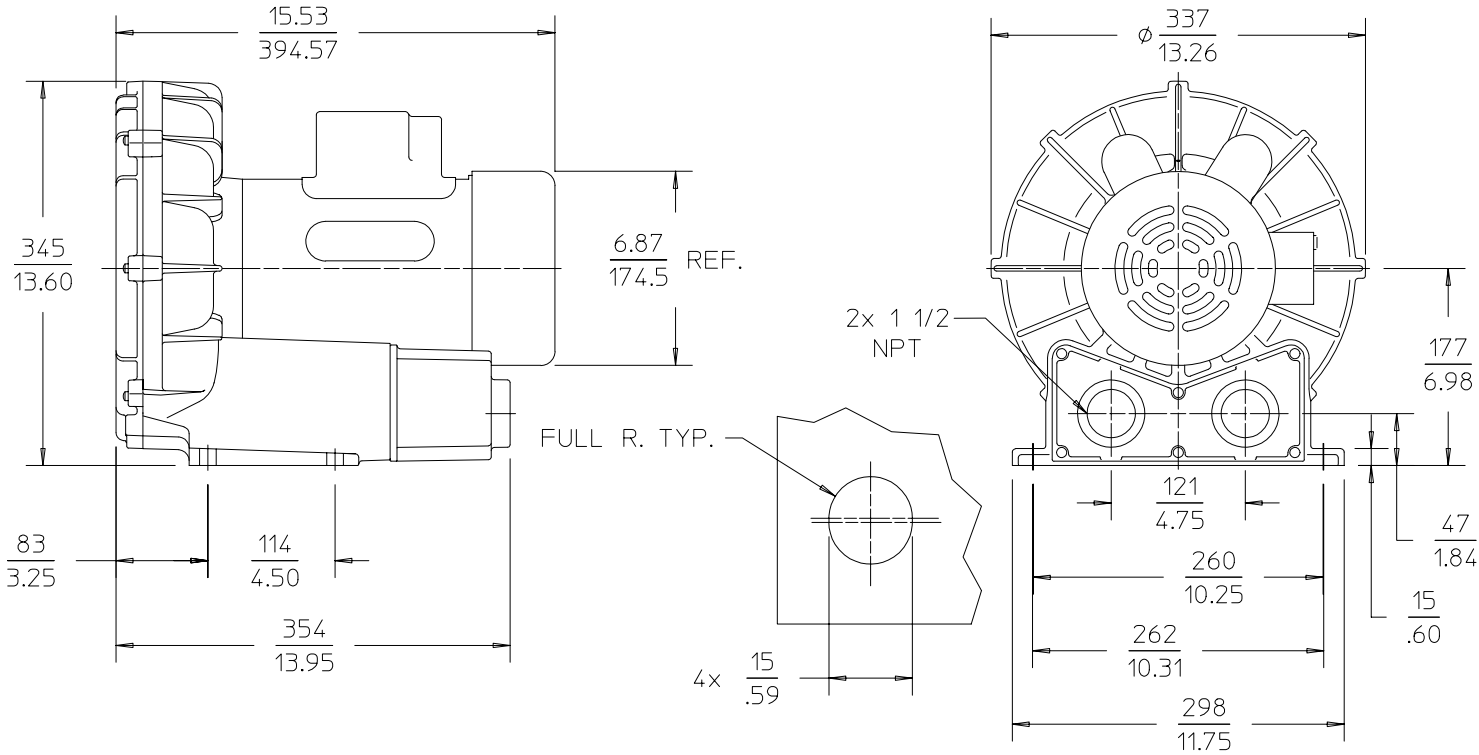
Product Dimensions

Metric (mm) / U.S. Imperial (inches)

LOW VOLTAGE, SINGLE PHASE
P1 — LINE
P2 — TIE TOGETHER
T3 — & INSULATE
T2 — LINE
T4 —

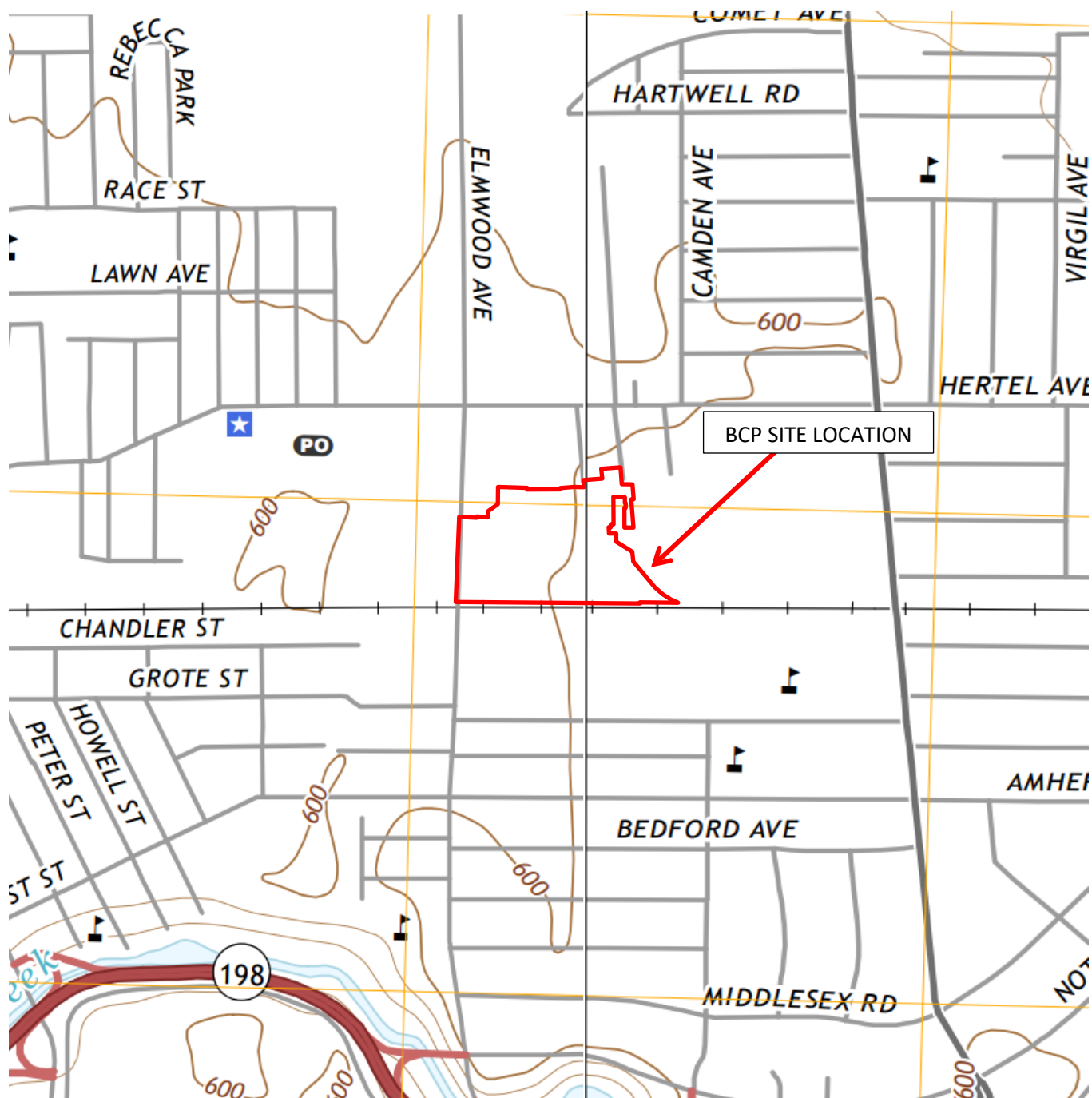
HIGH VOLTAGE, SINGLE PHASE
P1 — LINE
P2 — INSULATE
T3 — TIE TOGETHER
T2 — & INSULATE
T4 — LINE

WIRING DIAGRAM



APPENDIX A

FIGURES



THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY
AND WAS ADAPTED FROM USGS, BUFFALO NE & NW, NEW YORK QUADRANGLE (2019)

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

BCP LOCATION PLAN

MOD-PAC, CORP.

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MB

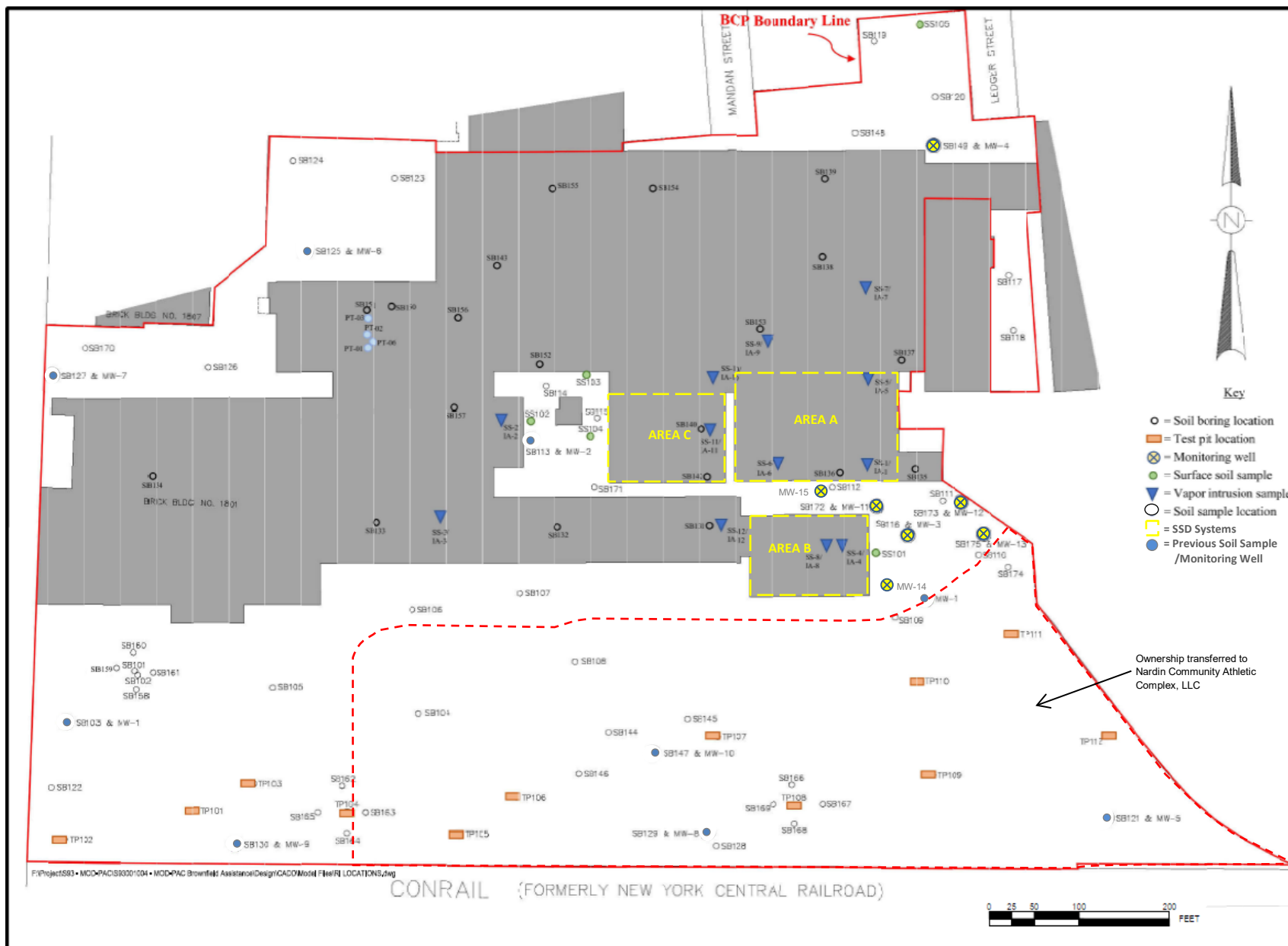
SCALE: NOT TO SCALE

PROJECT: 01304

CHECKED BY: CMH

DATE: 05/2021

FIGURE NO: 1



F:\Project\583 • MOD-PAC\583001\04 • MOD-PAC Brownfield Assistance\Design\CAD\Model Files\LOCATIONS.dwg

CONRAIL (FORMERLY NEW YORK CENTRAL RAILROAD)

0 25 50 100 200
FEET

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

BCP SITE PLAN

MOD-PAC, CORP.

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MB

SCALE: NOT TO SCALE

PROJECT: 01304

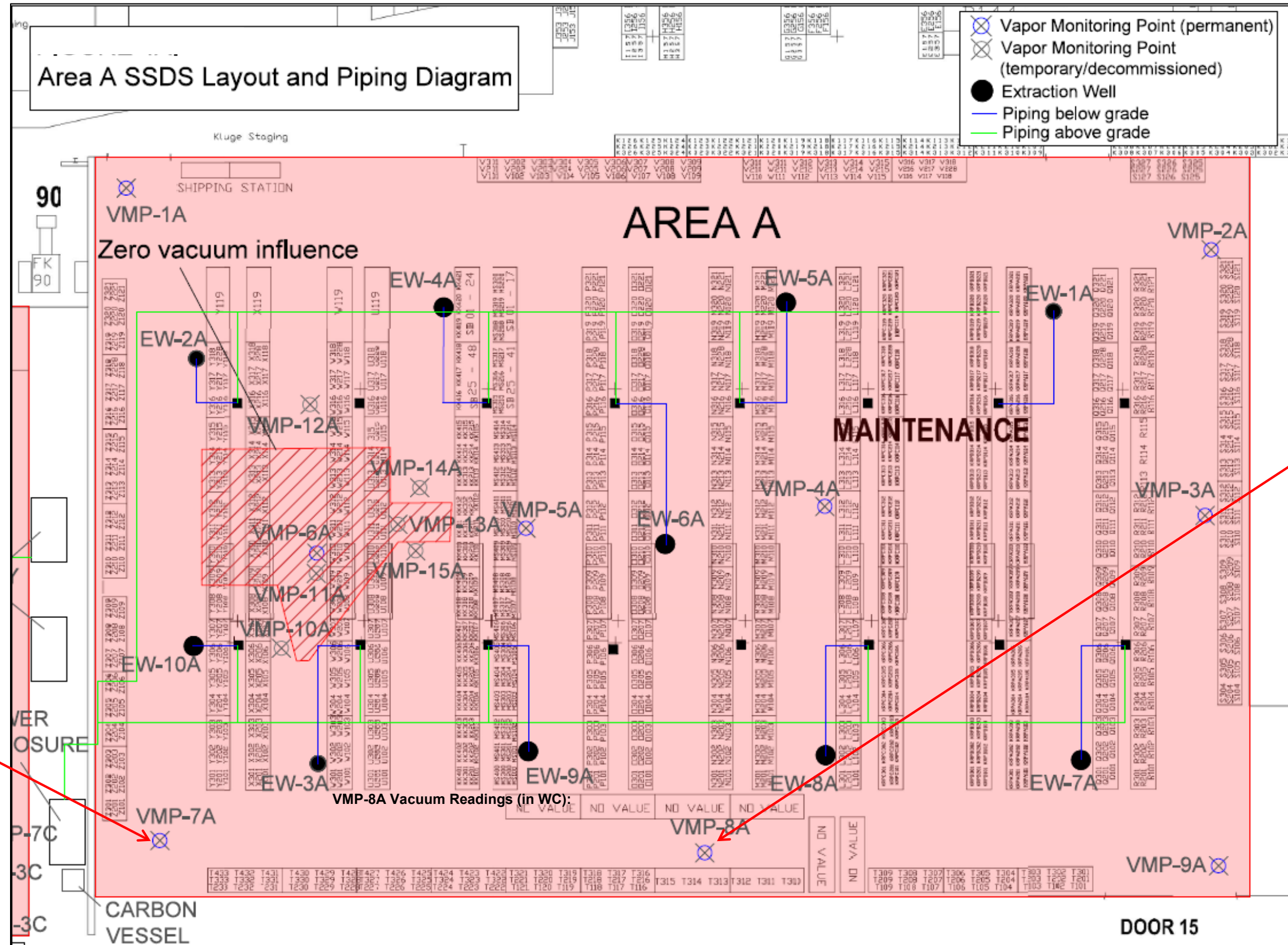
CHECKED BY: CMH

DATE: 11/2021

FIGURE NO: 2



THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)



VMP-7A Vacuum Readings (in WC):

09/26/2019: -0.025
10/03/2019: -0.019
10/09/2019: -0.020
11/15/2019: -0.013
12/03/2019: -0.010
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.010
09/15/2020: -0.017
12/08/2020: +0.000
03/30/2021: -0.020
06/11/2021: -0.026
09/08/2021: -0.028
12/10/2021: -0.017
03/10/2022: -0.010
06/06/2022: -0.027
09/22/2022: -0.032
10/07/2022: -0.025
11/07/2022: -0.021
12/09/2022: -0.022
01/31/2023: -0.014
02/21/2023: -0.019
03/10/2023: +0.000
04/12/2023: -0.025

VMP-8A Vacuum Readings (in WC):

NO VALUE NO VALUE NO VALUE

VMP-8A Vacuum Readings (in WC):

09/26/2019: -0.021
10/03/2019: -0.017
10/09/2019: -0.015
11/15/2019: +0.000
12/03/2019: +0.000
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.017
09/15/2020: -0.014
12/08/2020: +0.000
03/30/2021: -0.014
06/11/2021: -0.022
09/08/2021: -0.190
12/10/2021: -0.005
03/10/2022: +0.000
*03/31/2022: +0.000
*04/21/2022: +0.000
*05/16/2022: +0.000
06/06/2022: +0.000
*07/06/2022: -0.018
09/22/2022: -0.016
10/07/2022: -0.018
11/07/2022: +0.000
12/09/2022: +0.000
01/31/2023: +0.000
02/21/2023: -0.007
03/10/2023: +0.000
04/12/2023: +0.000

+#.### = NON-COMPLIANT VACUUM READING

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

SSDS AREA A NON-COMPLIANT MANOMETER

READINGS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 05/2023	FIGURE NO: 3A



THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)

Area B SSDS Layout and Piping Diagram

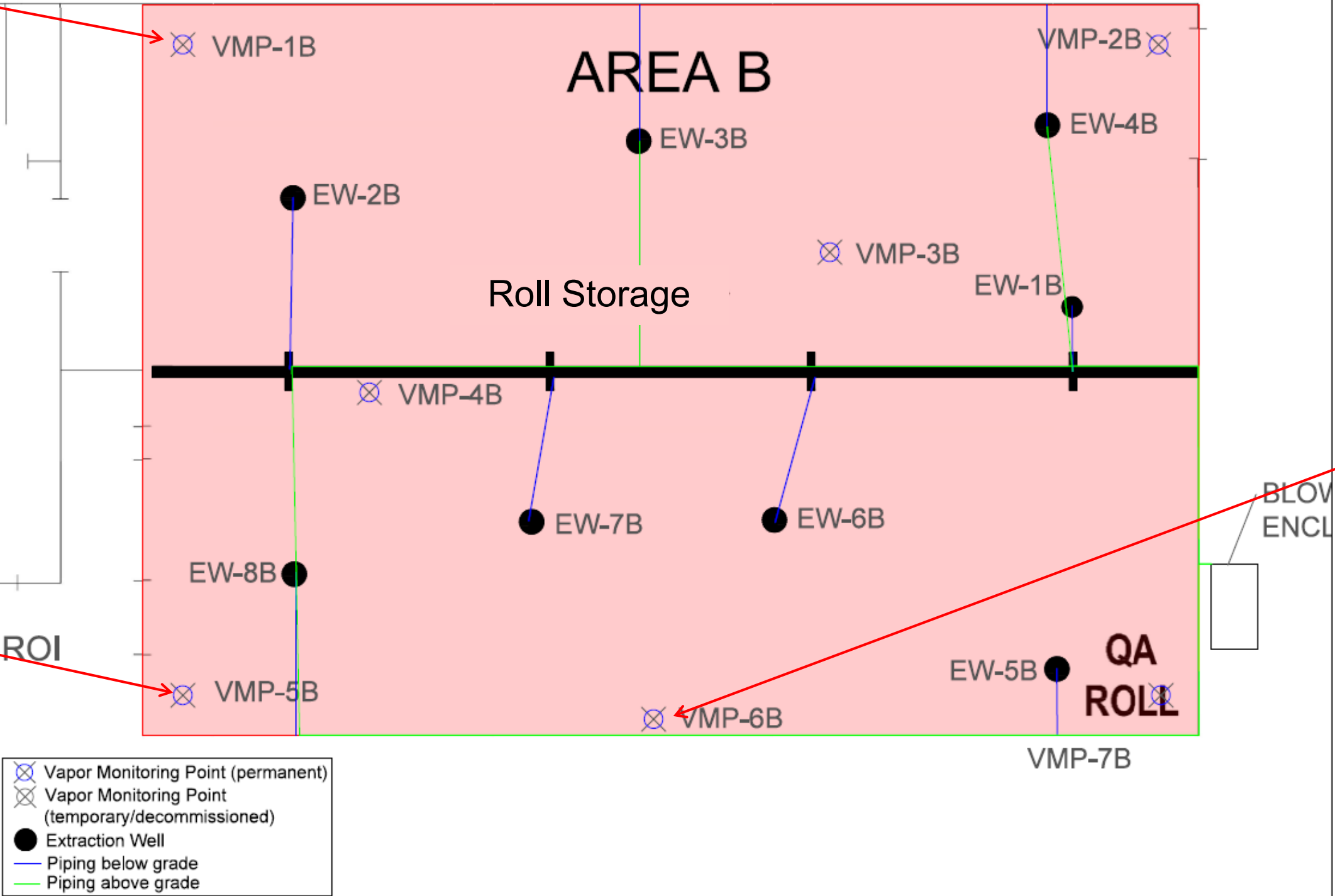
VMP-1B Vacuum Readings (in WC):

09/26/2019: N/A
10/03/2019: -0.023
10/09/2019: -0.018
11/05/2019: -0.016
12/03/2019: -0.014
02/11/2020: +0.000
03/27/2020: +0.000
06/29/2020: -0.018
09/15/2020: -0.017
12/08/2020: +0.000
03/30/2021: -0.010
06/11/2021: -0.045
09/08/2021: -0.045
12/10/2021: -0.010
03/10/2022: -0.012
06/06/2022: -0.014
09/22/2022: -0.019
10/07/2022: -0.045
11/07/2022: -0.014
12/08/2022: -0.017
01/31/2023: -0.009
02/21/2023: -0.100
03/10/2023: -0.015

VMP-5B Vacuum Readings (in WC):

09/26/2019: -0.044
10/03/2019: -0.037
10/09/2019: -0.030
11/05/2019: -0.014
12/03/2019: +0.000
02/11/2020: N/A
03/27/2020: +0.000
06/29/2020: -0.026
09/15/2020: -0.045
12/08/2020: +0.000
03/30/2021: +0.000
*04/14/2021: +0.000
*05/20/2021: -0.014
06/11/2021: -0.039
09/08/2021: -0.034
12/10/2021: -0.004
03/10/2022: +0.000
*03/31/2022: -0.167
06/06/2022: +0.000
*07/06/2022: -0.010
09/22/2022: -0.017
10/07/2022: -0.035
11/07/2022: +0.000
12/08/2022: +0.000
01/31/2023: +0.000
02/21/2023: +0.000
03/10/2023: +0.000
04/12/2023: +0.000

+#.### = NON-COMPLIANT VACUUM READING



VMP-6B Vacuum Readings (in WC):

09/26/2019: -0.016
10/03/2019: -0.018
10/09/2019: -0.010
11/05/2019: +0.000
12/03/2019: +0.000
02/11/2020: +0.000
03/27/2020: -0.010
06/29/2020: -0.022
09/15/2020: -0.005
12/08/2020: +0.000
03/30/2021: -0.010
06/11/2021: -0.016
09/08/2021: -0.041
12/10/2021: +0.000
*01/11/2022: -0.012
03/10/2022: +0.000
*03/31/2022: -0.014
06/06/2022: -0.016
09/22/2022: -0.020
10/07/2022: -0.018
11/07/2022: -0.016
12/08/2022: -0.015
01/31/2023: -0.012
02/21/2023: -0.014
03/10/2023: -0.015

ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

SSDS AREA B NON-COMPLIANT MANOMETER READINGS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 05/2023	FIGURE NO: 3B



VMP-1C Vacuum Readings
(in WC):

09/26/2019: -0.046
10/03/2019: -0.055
10/09/2019: -0.037
11/05/2019: -0.042
12/03/2019: **+0.000**
02/11/2020: -0.019
03/27/2020: -0.019
06/29/2020: -0.019
09/15/2020: -0.012
12/08/2020: -0.012
03/30/2021: **+0.000**
06/11/2021: -0.020
09/08/2021: -0.049
12/10/2021: -0.026
*02/02/2022: **+0.000**
03/10/2022: **+0.000**
*03/31/2022: -0.021
06/06/2022: -0.019
09/22/2022: -0.021
10/07/2022: -0.033
11/07/2022: -0.016
12/09/2022: -0.041
03/10/2023: **+0.000**

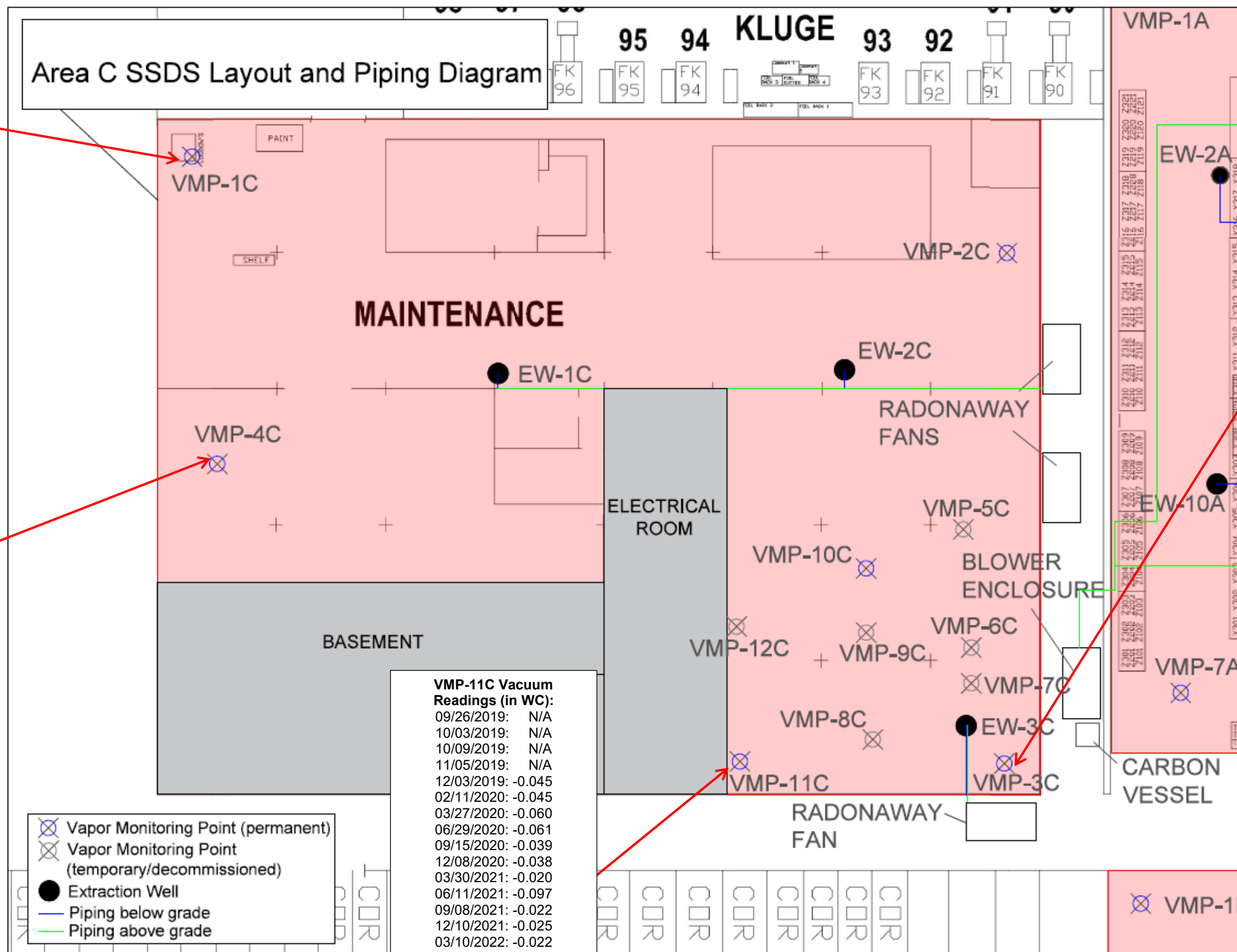
VMP-4C Vacuum Readings
(in WC):

09/26/2019: -0.061
10/03/2019: -0.081
10/09/2019: -0.060
11/05/2019: -0.067
12/03/2019: **+0.004**
02/11/2020: -0.038
03/27/2020: -0.029
06/29/2020: -0.018
09/15/2020: -0.024
12/08/2020: -0.021
03/30/2021: **+0.000**
06/11/2021: -0.024
09/08/2021: -0.075
12/10/2021: -0.021
03/10/2022: **+0.000**
*03/31/2022: -0.030
06/06/2022: -0.024
09/22/2022: -0.018
10/07/2022: -0.044
11/07/2022: -0.023
12/09/2022: -0.045
03/10/2023: **+0.000**

+#.### = NON-COMPLIANT VACUUM READING

THIS FIGURE WAS ADAPTED FROM SITE MANAGEMENT PLAN PREPARED FOR MOD-PAC CORPORATION (DECEMBER 2019)

Area C SSDS Layout and Piping Diagram



VMP-11C Vacuum Readings
(in WC):

09/26/2019: N/A
10/03/2019: N/A
10/09/2019: N/A
11/05/2019: N/A
12/03/2019: -0.045
02/11/2020: -0.045
03/27/2020: -0.060
06/29/2020: -0.061
09/15/2020: -0.039
12/08/2020: -0.038
03/30/2021: -0.020
06/11/2021: -0.097
09/08/2021: -0.022
12/10/2021: -0.025
03/10/2022: -0.022
06/06/2022: -0.039
09/22/2022: -0.046
10/07/2022: **+0.000**
11/07/2022: **+0.000**
12/09/2022: -0.022
03/10/2023: -0.019

VMP-3C Vacuum Readings
(in WC):

09/26/2019: **+0.000**
10/03/2019: **+0.000**
10/09/2019: **+0.000**
11/05/2019: **+0.000**
12/03/2019: -0.026
02/11/2020: -0.032
03/27/2020: -0.038
06/29/2020: -0.040
09/15/2020: -0.038
12/08/2020: -0.026
03/30/2021: -0.037
06/11/2021: -0.039
09/08/2021: -0.040
12/10/2021: -0.038
03/10/2022: -0.038
06/06/2022: -0.037
09/22/2022: -0.041
10/07/2022: **+0.000**
11/07/2022: **+0.000**
12/09/2022: -0.039
03/10/2023: -0.031

ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

SSDS AREA C NON-COMPLIANT MANOMETER READINGS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 05/2023	FIGURE NO: 3C

- KEY:**
- Vapor Monitoring Point (permanent)
 - Vapor Monitoring Point (temporary/decommissioned)
 - Extraction Well and estimated ROI
 - Piping below grade
 - Piping above grade
 - Area of Zero Vacuum Influence
 - 2020 SSDS Verification Sample
 - 2023 Air Sample Location
 - Non-Compliant VMP by Date

AREA C

OA-1 (022720)

78' ROI

VMP-5B

12/03/2019
03/27/2020
12/08/2020
03/30/2021
04/04/2021
03/10/2022
06/06/2022
11/07/2022
12/08/2022
01/31/2023
02/21/2023
03/10/2023
04/12/2023

VMP-1B

02/11/2020
03/27/2020
12/08/2020

VMP-6B

12/03/2019
02/11/2020
12/08/2020
12/10/2021
03/10/2022

ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

MARCH 2023 AIR ASSESSMENT SAMPLE LOCATIONS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS

SCALE: NOT TO SCALE

PROJECT: 01304

CHECKED BY: CMH

DATE: 05/2023

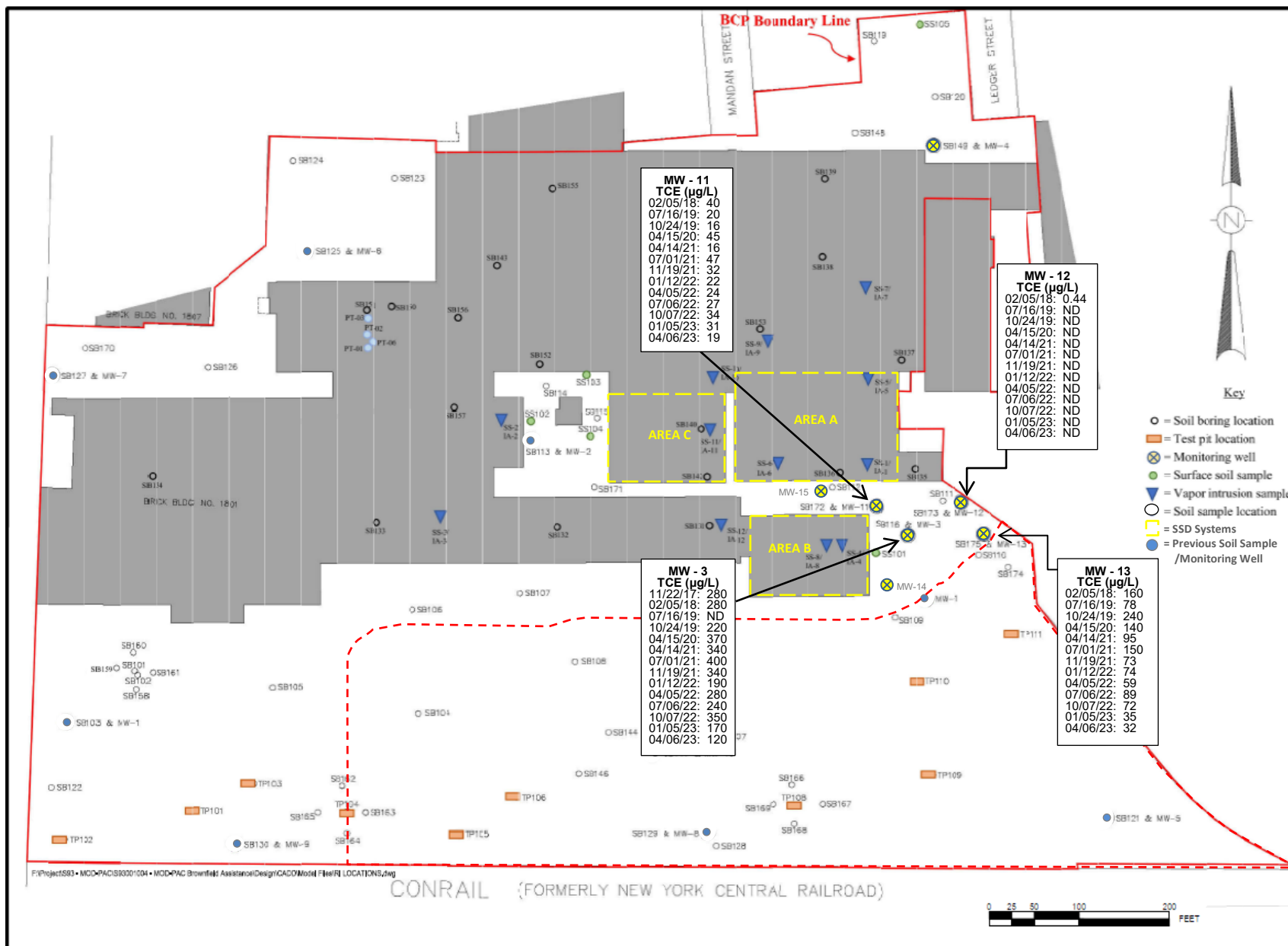
FIGURE NO: 4

VMP-8A

12/03/2019
02/11/2020
03/27/2020
12/08/2020
03/10/2022
04/21/2022
05/16/2022
06/06/2022
11/07/2022
12/09/2022
01/31/2023
03/10/2023
04/12/2023

DOOR 15





F:\Project\S03 - MOD-PAC\S03001\04 - MOD-PAC Brownfield Assistance\Design\CADD\Model Files\LOCATIONS.dwg

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

HISTORICAL TCE CONCENTRATIONS BY LOCATION

MOD-PAC, CORP.

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS

SCALE: NOT TO SCALE

PROJECT: 01304

CHECKED BY: CMH

DATE: 05/2023

FIGURE NO: 5

Figure 6a

Historical Total VOC Concentrations in Monitoring Wells

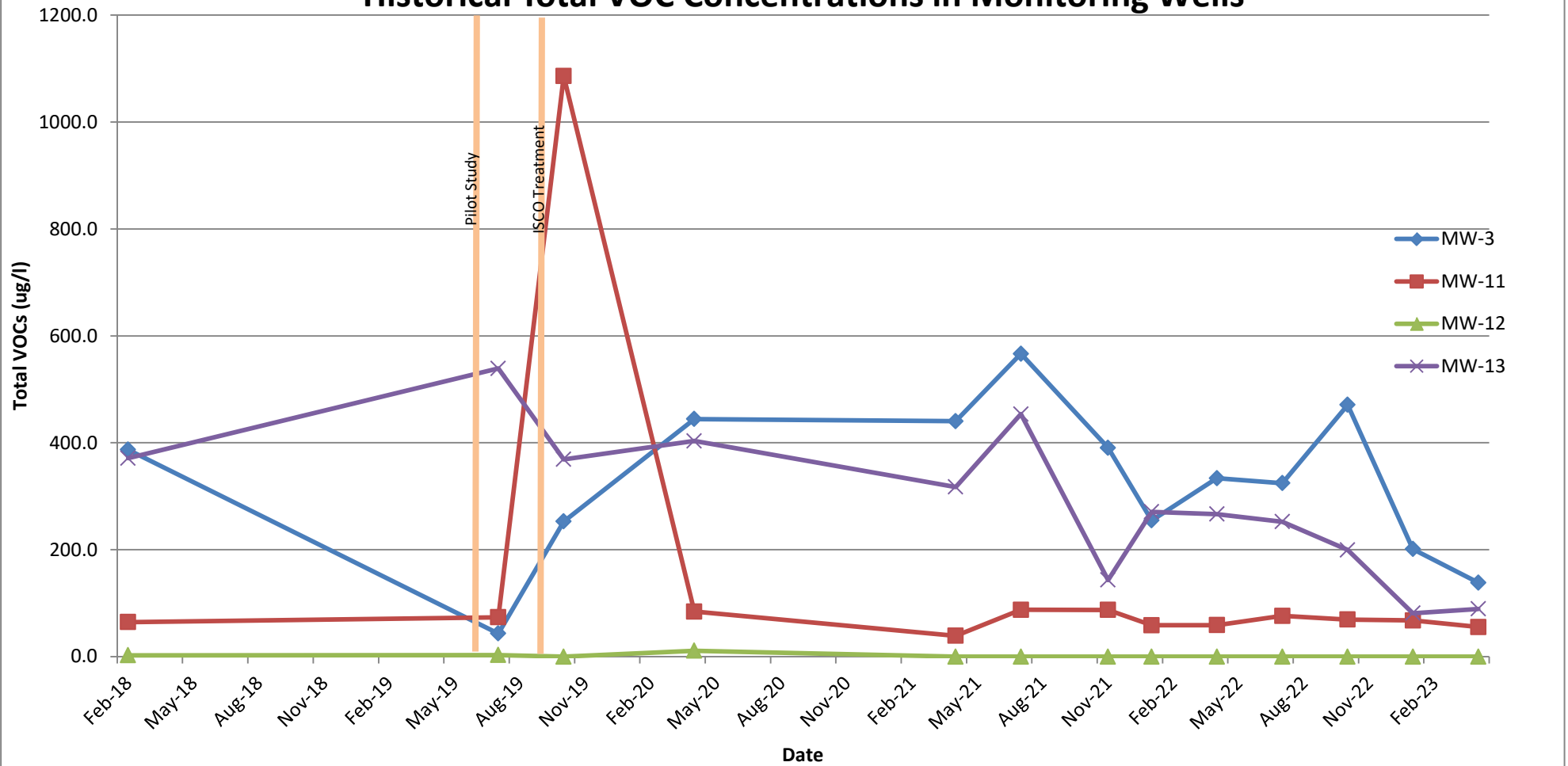
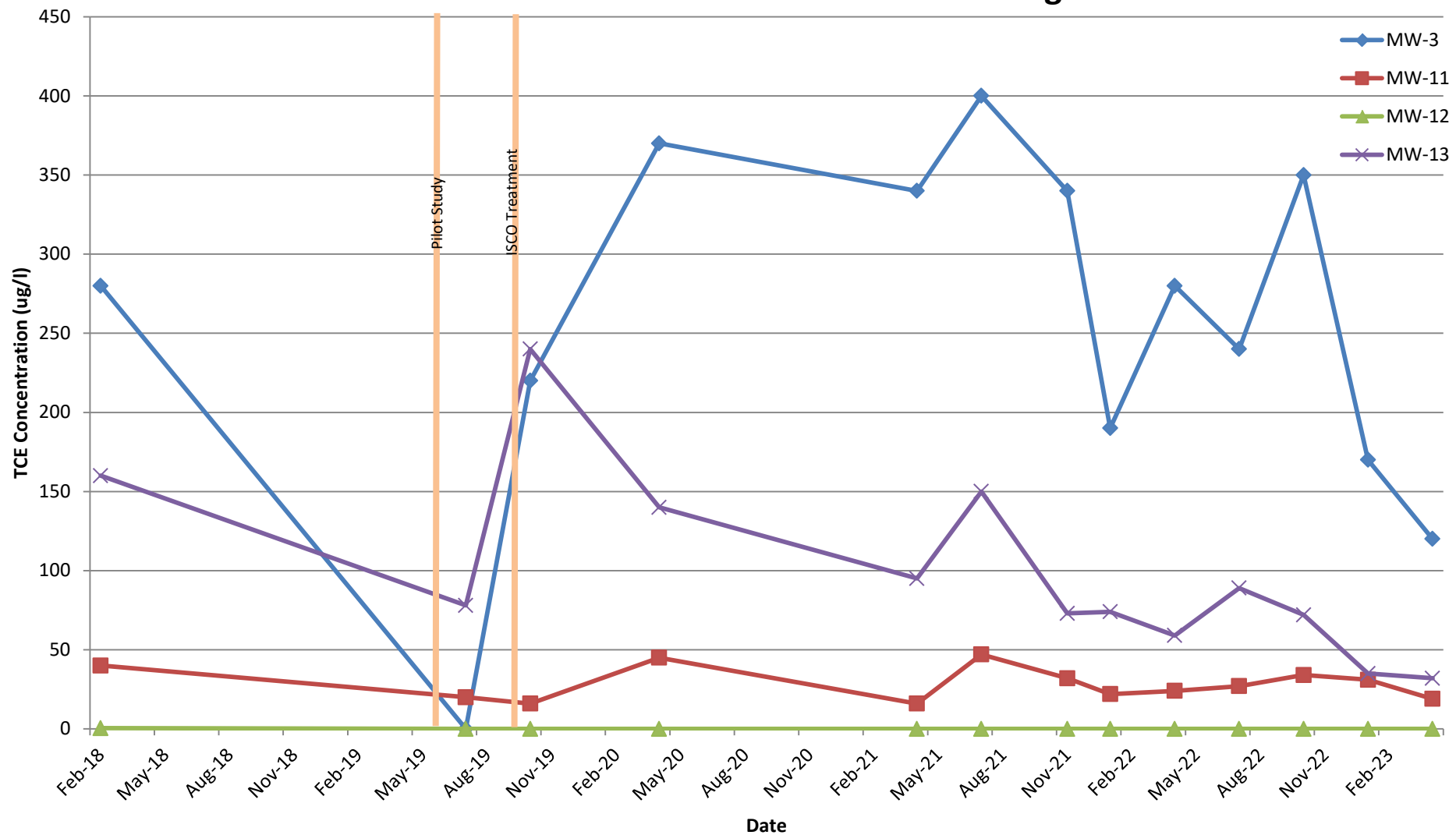


Figure 6b
Historical TCE Concentrations in Monitoring Wells



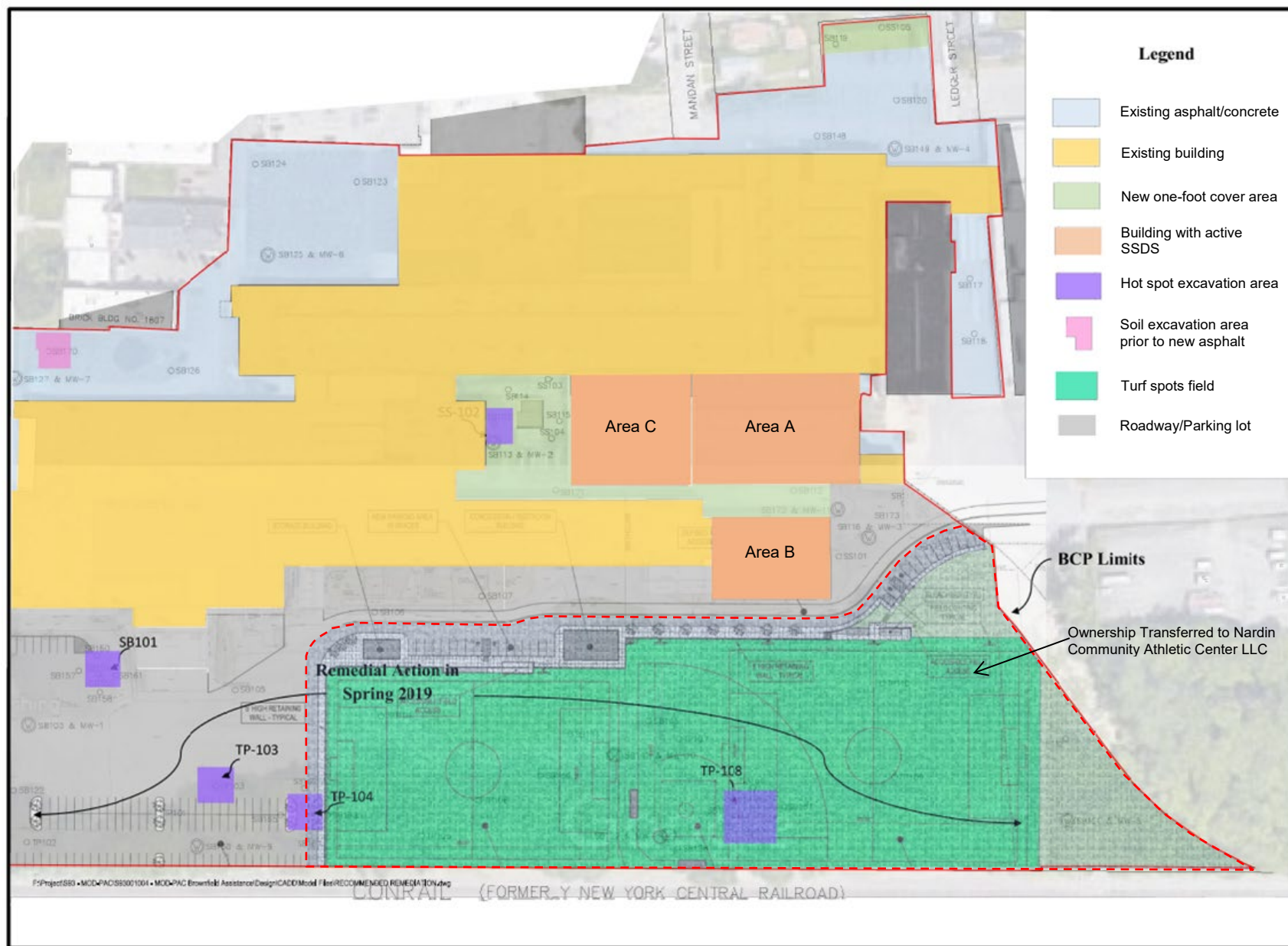
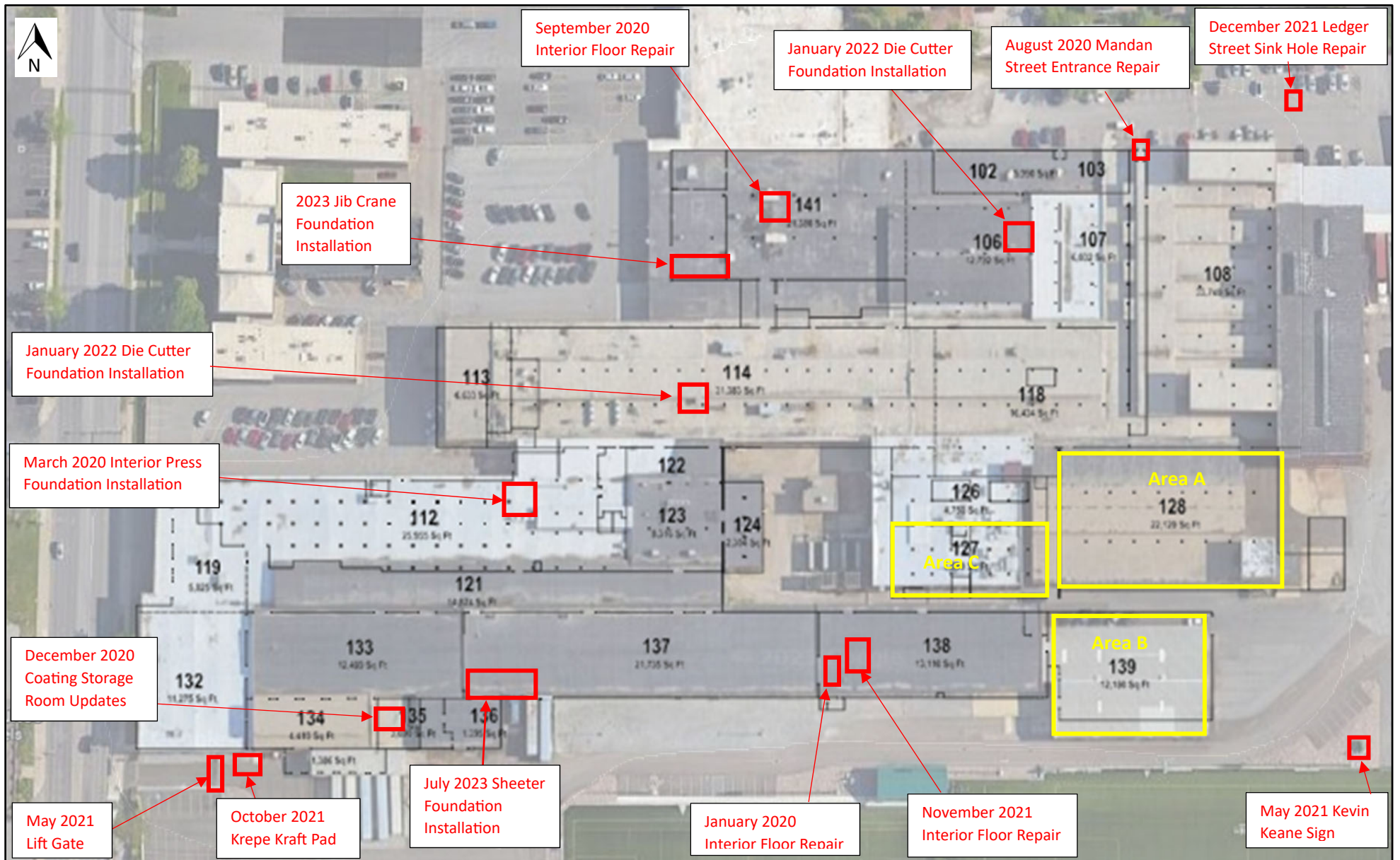


Figure adapted from Figure 6 within the original Site Management Plan for MOD-PAC BCP Site No. C915314 – C&S Engineers, December 2019

ENVIRONMENTAL ADVANTAGE, INC. <i>Regulatory Compliance – Site Investigations – Facility Inspections</i>		
SITE COVER SYSTEM MOD-PAC, CORP. 1801 ELMWOOD AVENUE BUFFALO, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 05/2023	FIGURE NO: 7



ENVIRONMENTAL ADVANTAGE, INC.		
Phase I/II Audits – Site Investigations – Facility Inspections		
INTRUSIVE WORK LOCATIONS		
MOD-PAC, CORP.		
1801 ELMWOOD AVENUE		
BUFFALO, NEW YORK		
DRAWN BY: MS	SCALE: NOT TO SCALE	PROJECT: 01304
CHECKED BY: CMH	DATE: 08/2023	FIGURE NO: 8

APPENDIX B

INSTITUTIONAL CONTROLS/ENGINEERING CONTROLS CERTIFICATION



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



Site Details

Box 1

Site No. **C915314**

Site Name **MOD-PAC CORP.**

Site Address: 1801 Elmwood Avenue Zip Code: 14207
City/Town: Buffalo
County: Erie
Site Acreage: 19.727

Reporting Period: April 24, 2022 to April 24, 2023

YES NO

1. Is the information above correct?

X ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

X ☐

[Ownership of Soccer/Athletic fields transferred to Nardin Community Athletic Complex, LLC](#)

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))? [See Appendix J](#)

X ☐

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ X

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ X

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

X ☐

7. Are all ICs in place and functioning as designed?

X ☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?



If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid?
(The Qualitative Exposure Assessment must be certified every five years)



If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915314**Box 3****Description of Institutional Controls**ParcelOwnerInstitutional Control

78.69-2-3.11

MOD-PAC CORP.

78.69-2-3.12

Nardin Community
Athletic Center, LLC

Ground Water Use Restriction
Soil Management Plan
Landuse Restriction
Building Use Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Box 4**Description of Engineering Controls**ParcelEngineering Control

78.69-2-3.11

Cover System
Vapor Mitigation

78.69-2-3.12

Cover System

Periodic Review Report (PRR) Certification Statements

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

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

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

YES NO



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

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

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

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

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

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

YES NO

Modifications proposed for SSDS Area C included in Section 4.0 and Attachment 1 of PRR Report.



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

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

 Signature of Owner, Remedial Party or Designated Representative

 Date

IC CERTIFICATIONS
SITE NO. C915314

Box 6


SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I C. Mark Hanna at 3636 N Buffalo Road, Orchard Park, NY 14127,
print name print business address

am certifying as Designated Representative of the Owner (Owner or Remedial Party)

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


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

06/12/2023

Date

EC CERTIFICATIONS

Box 7

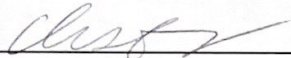
Professional Engineer Signature

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

I Christine Curtis at 95 Brown Rd, Ste 1052, Ithaca NY
print name print business address

am certifying as a Professional Engineer for the owner
(Owner or Remedial Party)

Area A and Area B
vapor mitigation systems
only


Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification



6/12/2023
Date

APPENDIX C

TABLES

MOD-PAC, Corp. 1801 Elmwood Avenue, Buffalo, N
Summary of Air Analytical Testing Results

[illegible]

Notes:

1. Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report in appendix.
2. Analytical testing for VOCs via TO-15 completed by Alpha Analytical.
3. Results present in ug/m³ or microgram per cubic meter.
4. Samples were collected during a 8-hour sample duration.
5. Parameters shaded in red indicate analyses of concern (Target cVOCs). NYSDOH Target cVOCs are included in this calculation, specifically those listed in the NYSDOH "Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York", May 2017 Update. Specifically: 1,1,1-Trichloroethane, 1,1-Dichloroethene, Carbon tetrachloride, cis-1,2-Dichloroethene, Methylene chloride, Tetrachloroethene, Trichloroethene, and Vinyl chloride.
6. Results in red indicate post sample result higher than pre-sample result.
7. ND = No Value Above Detection Limit (Non-detected); NC = Not Calculated; D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
8. In some instances where the pre-sample is ND and the post sample presents a reportable value, the ND pre-sample may be due to sample dilution. Refer to analytical reports for dilution factors.

Table 2
Indoor Air Analytical Testing Results
1801 Elmwood Avenue, Buffalo, NY
March 8, 2023

LOCATION	Guidance Values - Indoor Air			VMP-7A/VMP-8A	VMP-6A	VMP-5B/VMP-6B		OA-1 (030823)	Table C2 Commercial Outdoor Air Guidance Value
	Table C2 Commercial Indoor Air Background (90%)	NYSDOH Matrix Value	NYSDOH Air Guideline Value	IA-1 (030823)	IA-2 (030823)	IA-3 (030823)	IA-3 (030823) Duplicate		
	SAMPLING DATE			3/8/2023	3/8/2023	3/8/2023	3/8/2023	3/8/2023	
LAB SAMPLE ID				L2313097-01	L2313097-02	L2313097-03	L2313097-04	L2313097-05	
Volatile Organics in Air (ug/m³)									
1,1,1-Trichloroethane*	20.6	10	NV	0.147	0.12	ND	ND	ND	2.6
1,1,2,2-Tetrachloroethane	NV	NV	NV	ND	ND	ND	ND	ND	NV
1,1,2-Trichloroethane	<1.5	NV	NV	ND	ND	ND	ND	ND	<1.6
1,1-Dichloroethane	<0.7	NV	NV	ND	ND	ND	ND	ND	<0.6
1,1-Dichloroethene*	<1.4	1	NV	ND	ND	ND	ND	ND	<1.4
1,2,4-Trichlorobenzene*	<6.8	NV	NV	ND	ND	ND	ND	ND	<6.4
1,2,4-Trimethylbenzene	9.5	NV	NV	6.64	6.44	ND	ND	ND	5.8
1,2-Dibromoethane	<1.5	NV	NV	ND	ND	ND	ND	ND	<1.6
1,2-Dichlorobenzene	<1.2	NV	NV	ND	ND	ND	ND	ND	<1.2
1,2-Dichloroethane	<0.9	NV	NV	ND	ND	ND	ND	ND	<0.8
1,2-Dichloropropane	<1.6	NV	NV	ND	ND	ND	ND	ND	<1.6
1,3,5-Trimethylbenzene	3.7	NV	NV	2.26	2.19	ND	ND	ND	2.7
1,3-butadiene	<3.0	NV	NV	ND	ND	ND	ND	ND	<3.4
1,3-Dichlorobenzene	<2.4	NV	NV	ND	ND	ND	ND	ND	<2.2
1,4-Dichlorobenzene	5.5	NV	NV	ND	ND	ND	ND	ND	1.2
1,4-Dioxane	NV	NV	NV	ND	ND	ND	ND	ND	NV
2,2,4-trimethylpentane	NV	NV	NV	11.2	11.3	ND	ND	ND	NV
2-Butanone (Methyl Ethyl Ketone)	12	NV	NV	2.88	2.61	ND	ND	ND	11.3
2-Hexanone (Methyl Butyl Ketone)	NV	NV	NV	ND	ND	ND	ND	ND	NV
3-Chloropropene	NV	NV	NV	ND	ND	ND	ND	ND	NV
4-ethyltoluene	3.6	NV	NV	1.53	1.79	ND	ND	ND	3.0
4-Methyl-2-pentanone (Methyl Isobutyl K	6	NV	NV	ND	ND	2.73	3.08	ND	1.9
Acetone	98.9	NV	NV	494	489	110	115	7.67	43.7
Benzene	9.4	NV	NV	ND	ND	ND	ND	ND	6.6
Benzyl chloride	<6.8	NV	NV	ND	ND	ND	ND	ND	<6.4
Bromodichloromethane	NV	NV	NV	ND	ND	ND	ND	ND	NV
Bromoform	NV	NV	NV	ND	ND	ND	ND	ND	NV
Bromomethane	<1.7	NV	NV	ND	ND	ND	ND	ND	<1.6
Carbon disulfide	4.2	NV	NV	ND	ND	0.645	0.651	ND	3.7
Carbon tetrachloride*	<1.3	1	NV	0.604	0.56	0.547	0.541	0.547	0.7
Chlorobenzene	<0.9	NV	NV	ND	ND	ND	ND	ND	<0.8
Chloroethane	<1.1	NV	NV	ND	ND	ND	ND	ND	<1.2
Chloroform	1.1	NV	NV	ND	ND	1.79	1.88	ND	0.6
Chloromethane	3.7	NV	NV	1.2	1.18	1.61	1.63	1.12	3.7
cis-1,2-Dichloroethene*	<1.9	1	NV	ND	ND	ND	ND	ND	<1.8
cis-1,3-Dichloropropene	<2.3	NV	NV	ND	ND	ND	ND	ND	<2.2
Cyclohexane	NV	NV	NV	1.06	1.11	ND	ND	ND	NV
Dibromochloromethane	NV	NV	NV	ND	ND	ND	ND	ND	NV
Dichlorodifluoromethane	16.5	NV	NV	2.48	2.58	2.68	2.57	2.47	8.1
Ethanol	210	NV	NV	230	230	23.7	22.8	ND	57
Ethyl acetate	5.4	NV	NV	ND	ND	ND	ND	ND	1.5
Ethylbenzene	5.7	NV	NV	8.64	8.64	4.2	4.31	ND	3.5
Freon 113	NV	NV	NV	ND	ND	ND	ND	ND	NV
Freon 114	NV	NV	NV	ND	ND	ND	ND	ND	NV
Heptane	NV	NV	NV	45.9	44.7	10	10.7	ND	NV
Hexachlorobutadiene	<6.8	NV	NV	ND	ND	ND	ND	ND	<6.4
Isopropanol	250	NV	NV	1550 R1	1490 R1	64.4	64.6	10.8	16.5
Methyl tert-butyl ether	11.5	NV	NV	ND	ND	ND	ND	ND	6.2
Methylene chloride	10	10	60	ND	ND	ND	ND	ND	6.1
n-Hexane	10.2	NV	NV	48.3	49.7	2.81	2.78	ND	6.4
o-Xylene	7.9	NV	NV	7.99	7.91	5.56	5.86	ND	4.6
p/m-Xylene	22.2	NV	NV	30.2	30.1	17	17.9	ND	12.8
Styrene	1.9	NV	NV	6.3	5.79	ND	ND	ND	1.3
Tertiary butyl Alcohol	NV	NV	NV	53.4	50.3	2.85	2.68	ND	NV
Tetrachloroethene*	15.9	10	30	1.34	1.32	0.475	0.468	0.814	6.5
Tetrahydrofuran	NV	NV	NV	ND	1.6	2.09	ND	ND	NV
Toluene	43	NV	NV	20.5	20.8	2.47	2.33	ND	33.7
trans-1,2-Dichloroethene	NV	NV	NV	ND	ND	ND	ND	ND	NV
trans-1,3-Dichloropropene	<1.3	NV	NV	ND	ND	ND	ND	ND	<1.4
Trichloroethene*	4.2	1	2	0.946	0.973	ND	ND	ND	1.3
Trichlorofluoromethane	18.1	NV	NV	2.34	2.33	1.37	1.34	1.26	4.3
Vinyl Bromide	NV	NV	NV	ND	ND	ND	ND	ND	NV
Vinyl chloride*	<1.9	0.2	NV	ND	ND	ND	ND	ND	<1.8

- Compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.
- Analytical testing for VOCs via TO-15 completed by Alpha Laboratories. * = samples analyzed for volatile organics in air by SIM.
- Results present in ug/m³ or microgram per cubic meter.
- Samples were collected during a 8-hour sample duration.
- 90th percentile values as presented in C2 (EPA 2001: Building assessment and survey evaluation (BASE) database Appendix C, in the NYSDOH Guidance Manual, as Air Guideline Values from "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health.
- Grey shaded values represent exceedance of table C2 guidance values; yellow shaded values represents exceedance of NYSDOH Air Guideline Values; **BOLDED** =
- Qualifiers: J = result is less than the reporting limit but greater or equal to the method detection limit and the concentration is an approximate value.
- ND = Non Detect; NV = No Value; R1 = Analytical results are from sample re-analysis.

Table 3
Historical Groundwater Monitoring Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	Trichloroethene (µg/L) NY-TOGS-GA (5 µg/L)	% Increase/ Decrease TCE
MW - 3	2/5/18	600.71	5.05	595.66	280	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.71	NG	NG	ND	-100.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.71	NG	NG	220	-21.43
	4/15/20	600.71	5.54	595.17	370 JH	32.14
	3/10/21	600.71	6.10	594.61	NT	N/A
	3/30/21	600.71	5.95	594.76	NT	N/A
	4/14/21	600.71	5.98	594.73	340	21.43
	5/20/21	600.71	6.10	594.61	NT	N/A
	6/11/21	600.71	6.12	594.59	NT	N/A
	7/1/21	600.71	6.30	594.41	400	42.86
	8/25/21	600.71	5.80	594.91	NT	N/A
	9/22/21	600.71	5.45	595.26	NT	N/A
	11/19/21	600.71	5.30	595.41	340	21.43
	12/10/21	600.71	5.55	595.16	NT	N/A
	1/12/22	600.71	5.70	595.01	190	-32.14
	2/2/22	600.71	6.09	594.62	NT	N/A
	3/10/22	600.71	6.44	594.27	NT	N/A
	4/5/22	600.71	5.65	595.06	280	0.00
	5/16/22	600.71	5.81	594.90	NT	N/A
	6/6/22	600.71	5.70	595.01	NT	N/A
	7/6/22	600.71	5.91	594.80	240	-14.29
	8/9/22	600.71	5.85	594.86	NT	N/A
	9/22/22	600.71	6.18	594.53	NT	N/A
	10/7/22	600.71	6.03	594.68	350	25.00
	11/7/22	600.71	5.71	595.00	NT	N/A
	12/8/22	600.71	5.55	595.16	NT	N/A
	1/5/23	600.71	4.70	596.01	170	-39.29
	2/21/23	600.71	5.70	595.01	NT	N/A
	3/24/23	600.71	5.41	595.30	NT	N/A
	4/6/23	600.71	5.35	595.36	120 J	-57.14
	2/5/18	600.41	4.66	595.75	40	Baseline
MW - 11	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.41	NG	NG	20	-50.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.41	NG	NG	16	-60.00
	4/15/20	600.41	5.27	595.14	45 JH	12.50
	3/10/21	600.41	5.82	594.59	NT	N/A
	3/30/21	600.41	5.74	594.67	NT	N/A
	4/14/21	600.41	5.74	594.67	16	-60.00
	5/20/21	600.41	5.84	594.57	NT	N/A
	6/11/21	600.41	5.85	594.56	NT	N/A
	7/1/21	600.41	6.00	594.41	47	17.50
	8/25/21	600.41	5.58	594.83	NT	N/A
	9/22/21	600.41	5.32	595.09	NT	N/A
	11/19/21	600.41	5.15	595.26	32	-20.00
	12/10/21	600.41	5.35	595.06	NT	N/A
	1/12/22	600.41	5.45	594.96	22	-45.00
	2/2/22	600.41	5.80	594.61	NT	N/A
	3/10/22	600.41	5.21	595.20	NT	N/A
	4/5/22	600.41	5.45	594.96	24	-40.00
	5/16/22	600.41	5.49	594.92	NT	N/A
	6/6/22	600.41	5.46	594.95	NT	N/A
	7/6/22	600.41	5.63	594.78	27	-32.50
	8/9/22	600.41	5.71	594.70	NT	N/A
	9/22/22	600.41	5.90	594.51	NT	N/A
	10/7/22	600.41	5.80	594.61	34	-15.00
	11/7/22	600.41	5.61	594.80	NT	N/A
	12/8/22	600.41	5.38	595.03	NT	N/A
	1/5/23	600.41	4.73	595.68	31	-22.50
	2/21/23	600.41	5.50	594.91	NT	N/A
	3/24/23	600.41	5.39	595.02	NT	N/A
	4/6/23	600.41	4.60	595.81	19 J	-52.50
MW - 12	2/5/18	600.50	4.52	595.98	0.44 J	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.50	NG	NG	ND	-100.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.50	NG	NG	ND	-100.00
	4/15/20	600.50	4.41	596.09	ND	-100.00
	3/10/21	600.50	5.03	595.47	NT	N/A
	3/30/21	600.50	4.86	595.64	NT	N/A
	4/14/21	600.50	4.86	595.64	ND	-100.00
	5/20/21	600.50	5.05	595.45	NT	N/A
	6/11/21	600.50	5.10	595.40	NT	N/A
	7/1/21	600.50	5.35	595.15	ND	-100.00
	8/25/21	600.50	4.80	595.70	NT	N/A
	9/22/21	600.50	4.40	596.10	NT	N/A
	11/19/21	600.50	4.10	596.40	ND	-100.00
	12/10/21	600.50	4.35	596.15	NT	N/A
	1/12/22	600.50	4.58	595.92	ND	-100.00
	2/2/22	600.50	5.20	595.30	NT	N/A
	3/10/22	600.50	4.30	596.20	NT	N/A
	4/5/22	600.50	4.41	596.09	ND	-100.00
	5/16/22	600.50	5.30	595.20	NT	N/A
	6/6/22	600.50	4.73	595.77	NT	N/A
	7/6/22	600.50	4.10	596.40	ND	-100.00
	8/9/22	600.50	4.89	595.61	NT	N/A
	9/22/22	600.50	5.15	595.35	NT	N/A
	10/7/22	600.50	5.04	595.46	ND	-100.00
	11/7/22	600.50	4.62	595.88	NT	N/A
	12/8/22	600.50	4.42	596.08	NT	N/A
	1/5/23	600.50	3.54	596.96	ND	-100.00
	2/21/23	600.50	4.55	595.95	NT	N/A
	3/24/23	600.50	4.39	596.11	NT	N/A
	4/6/23	600.50	3.76	596.74	ND	-100.00
MW - 13	2/5/18	600.31	4.44	595.87	160	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019					
	7/16/19	600.31	NG	NG	78	-51.25
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019					
	10/24/19	600.31	NG	NG	240	50.00
	4/15/20	600.31	3.70	596.61	140 JH	-12.50
	3/10/21	600.31	4.25	596.06	NT	N/A
	3/30/21	600.31	4.10	596.21	NT	N/A
	4/14/21	600.31	4.13	596.18	95	-40.63
	5/20/21	600.31	4.32	595.99	NT	N/A
	6/11/21	600.31	4.40	595.91	NT	N/A
	7/1/21	600.31	4.60	595.71	150	-6.25
	8/25/21	600.31	4.10	596.21	NT	N/A
	9/22/21	600.31	3.35	596.96	NT	N/A
	11/19/21	600.31	3.30	597.01	73	-54.38
	12/10/21	600.31	3.50	596.81	NT	N/A
	1/12/22	600.31	3.85	596.46	74	-53.75
	2/2/22	600.31	4.30	596.01	NT	N/A
	3/10/22	600.31	4.46	595.85	NT	N/A
	4/5/22	600.31	3.80	596.51	59	-63.13
	5/16/22	600.31	4.10	596.21	NT	N/A
	6/6/22	600.31	4.23	596.08	NT	N/A
	7/6/22	600.31	4.11	596.20	89	-44.38
	8/9/22	600.31	3.90	596.41	NT	N/A
	9/22/22	600.31	4.45	595.86	NT	N/A
	10/7/22	600.31	5.66	594.65	72	-55.00
	11/7/22	600.31	3.78	596.53	NT	N/A
	12/8/22	600.31	3.45	596.86	NT	N/A
	1/5/23	600.31	2.62	597.69	35	-78.13
	2/21/23	600.31	3.81	596.50	NT	N/A
	3/24/23	600.31	3.46	596.85	NT	N/A
	4/6/23	600.31	3.10	597.21	32 J	-80.00
MW - 14	3/10/21		6.76	-6.76	NT	N/A
	3/30/21		6.72	-6.72	NT	N/A
	4/14/21		6.73	-6.73	NT	N/A
	5/20/21		6.75	-6.75	NT	N/A
	6/11/21		6.80	-6.80	NT	N/A
	7/1/21		6.95	-6.95	NT	N/A
	8/25/21		6.50	-6.50	NT	N/A
	9/22/21		6.15	-6.15	NT	N/A
	11/19/21		6.10	N/A	NT	N/A
	12/10/21		6.30	N/A	NT	N/A
	1/12/22		6.40	-6.40	NT	N/A
	2/2/22		6.74	-6.74	NT	N/A
	3/10/22		7.36	-7.36	NT	N/A
	4/5/22		6.40	-6.40	NT	N/A
	5/16/22		6.54	-6.54	NT	N/A
	6/6/22		6.31	-6.31	NT	N/A
	7/6/22		6.57	-6.57	NT	N/A
	8/9/22		6.61	-6.61	NT	N/A
	9/22/22		6.82	-6.82	NT	N/A
	10/7/22		7.56	-7.56	NT	N/A
	11/7/22		6.52	-6.52	NT	N/A
	12/8/22		6.34	-6.34	NT	N/A
	1/5/23		5.69	-5.69	NT	N/A
	2/21/23		6.46	-6.46	NT	N/A
	3/24/23		6.27	-6.27	NT	N/A
	4/6/23		6.22	-6.22	NT	N/A
MW - 15	3/10/21		5.42	-5.42	NT	N/A
	3/30/21		5.32	-5.32	NT	N/A
	4/14/21		5.34	-5.34	NT	N/A
	5/20/21		5.40	-5.40	NT	N/A
	6/11/21		5.60	-5.60	NT	N/A
	7/1/21		5.60	-5.60	NT	N/A
	8/25/21		5.18	-5.18	NT	N/A
	9/22/21		3.85	-3.85	NT	N/A
	11/19/21		4.80	-4.80	NT	N/A
	12/10/21		4.90	-4.90	NT	N/A
	1/12/22		5.05	-5.05	NT	N/A
	2/2/22		6.02	-6.02	NT	N/A
	3/10/22		4.90	-4.90	NT	N/A
	4/5/22		5.08	-5.08	NT	N/A
	5/16/22		6.04	-6.04	NT	N/A
	6/6/22		5.12	-5.12	NT	N/A
	7/6/22		5.27	-5.27	NT	N/A
	8/9/22		5.31	-5.31	NT	N/A
	9/22/22		5.50	-5.50	NT	N/A
	10/7/22		7.50	-7.50	NT	N/A
	11/7/22		7.61	-7.61	NT	N/A
	12/8/22		5.00	-5.00	NT	N/A
	1/5/23		4.36	-4.36	NT	N/A
	2/21/23		5.13	-5.13	NT	N/A
	3/24/23		4.90	-4.90	NT	N/A
	4/6/23		4.95	-4.95	NT	N/A

Notes:

1. NG = Not Gauged; ND = Non-Detect; NT = Not tested; N/A = Not Applicable; 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). ; H = The analysis of pH was performed

Table 4
Historical Groundwater Monitoring and Sampling Data Summary
MOD-PAC CORP.

Monitoring Well	Date	Top of Casing (ft)	Depth to Water (ft)	GW Elevation (ft)	1,1-Dichloroethene (µg/L)	2-Butanone (µg/L)	Acetone (µg/L)	Benzene (µg/L)	cis-1,2-Dichloroethene (µg/L)	trans-1,2-Dichloroethene (µg/L)	Trichloroethene (µg/L)	Vinyl chloride (µg/L)	Total VOCs (µg/L)	% Increase/Decrease TCE
MW - 3	NY-TOGS-GA (µg/L)				5	50	50	1	5	5	5	2		
	2/5/18	600.71	5.05	595.66	ND	ND	ND	ND	80	14	280	13	387.0	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.71	NG	NG	ND	3.10 J	38	ND	ND	ND	ND	ND	43.4	-100.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.71	NG	NG	ND	ND	<20	<1	30	3	220	<1	253.0	-21.43
	4/15/20	600.71	5.54	595.17	ND	ND	6.40 J	ND	57	7.3	370 JH	3.7	444.4	32.14
	4/14/21	600.71	5.98	594.73	0.88 J	ND	ND	ND	82	8.8	340	5.6	440.5	21.43
	7/1/21	600.71	6.30	594.41	2.0	ND	ND	0.41 J	140	16	400	8.1	566.5	42.86
	11/19/21	600.71	5.30	595.41	0.77 J	ND	ND	ND	43	4 J	340	2.9	390.7	21.43
	1/12/22	600.71	5.70	595.01	0.86	ND	ND	0.16 J	57	3.3	190	3.5	254.8	-32.14
	4/5/22	600.71	5.65	595.06	0.44 J	ND	ND	ND	46	5.1 J	280	2.3 J	333.8	0.00
	7/6/22	600.71	5.91	594.80	0.48 J	ND	ND	ND	74	6.2	240	3.7	324.4	-14.29
	10/7/22	600.71	6.03	594.68	0.76 J	6.50 J	7.60 J	0.34 J	92	6.5	350	7.2	470.9	25.00
	1/5/23	600.71	4.70	596.01	0.24 J	ND	ND	ND	29	1.5 J	170 R1	0.55 J	201.3	-39.29
	4/6/23	600.71	5.35	595.36	ND	ND	ND	ND	17 J	0.92 J	120 J	0.41 J	138.3	-57.14
	2/5/18	600.41	4.66	595.75	ND	2.3 J	9.4	0.16 J	3.1	2.9	40	5.6	64.56	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.41	NG	NG	0.35 J	ND	4.5 J	ND	14	25	20	9.8	73.65	-50.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019													
MW - 11	10/24/2019*	600.41	NG	NG	ND	150 J	920	ND	<10	<10	16	ND	1086.0	-60.00
	4/15/20	600.41	5.27	595.14	ND	2.2 J	11	0.21 J	7	10	45 JH	9	84.4	12.50
	4/14/21	600.41	5.74	594.67	ND	ND	ND	ND	8	9.4	16	5.7	39.1	-60.00
	7/1/21	600.41	6.00	594.41	0.35 J	ND	ND	0.25 J	13	17	47	10	87.6	17.50
	11/19/21	600.41	5.15	595.26	0.27 J	ND	ND	0.25 J	17	30	32	7.8	87.3	-20.00
	1/12/22	600.41	5.45	594.96	0.31 J	ND	ND	0.20 J	11	19	22	6.2	58.7	-45.00
	4/5/22	600.41	5.45	594.96	0.27 J	ND	ND	0.17 J	9.8	15	24	9.7	58.9	-40.00
	7/6/22	600.41	5.63	594.78	0.36 J	ND	3.6 J	0.22 J	15	20	27	10	76.2	-32.50
	10/7/22	600.41	5.80	594.61	ND	ND	ND	0.22 J	13	15	34	7.2	69.4	-15.00
	1/5/23	600.41	4.73	595.68	0.25 J	ND	ND	0.16 J	11	16	31	9.4	67.8	-22.50
	4/6/23	600.41	4.60	595.81	0.39 J	ND	ND	ND	10 J	16	19 J	10	55.4	-52.50
	2/5/18	600.50	4.52	595.98	ND	ND	2.2 J	ND	ND	ND	0.44 J	ND	2.64	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.50	NG	NG	ND	ND	3 J	ND	ND	ND	ND	ND	3.0	-100.00
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.50	NG	NG	ND	ND	<200	ND	ND	ND	ND	ND	ND	-100.00
	4/15/20	600.50	4.41	596.09	ND	ND	11	ND	ND	ND	ND	ND	11.0	-100.00
	4/14/21	600.50	4.86	595.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/1/21	600.50	5.35	595.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	11/19/21	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	1/12/22	600.50	4.58	595.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/5/22	600.50	4.41	596.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	7/6/22	600.50	4.10	596.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	10/7/22	600.50	5.04	595.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	1/5/23	600.50	3.54	596.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
	4/6/23	600.50	3.76	596.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	-100.00
MW - 12	2/5/18	600.31	4.44	595.87	1	ND	ND	ND	180	4.1	160	25	371.3	Baseline
	Potassium Permanganate Pilot Study June 27, 2019 - June 28, 2019													
	7/16/19	600.31	NG	NG	1.20 J	ND	ND	ND	400	3.9 J	78	56	539.1	-51.25
	Potassium Permanganate Injections October 1, 2019 - October 10, 2019													
	10/24/2019*	600.31	NG	NG	<1	ND	28	ND	97	2	240	2	369.0	50.00
	4/15/20	600.31	3.70	596.61	0.73	ND	3.2 J	ND	200	4.4	140 JH	55	403.3	-12.50
	4/14/21	600.31	4.13	596.18	0.69	ND	ND	ND	150	1.7 J	95	70	317.4	-40.63
	7/1/21	600.31	4.60	595.71	1.5	ND	ND	0.18 J	210	3.9	150	88	453.6	-6.25
	11/19/21	600.31	3.30	597.01	0.45 J	ND	ND	ND	50	ND	73	20	143.5	-54.38
	1/12/22	600.31	3.85	596.46	1.1	ND	ND	ND	140	1.8 J	74	54	270.9	-53.75
	4/5/22	600.31	3.80	596.51	0.9	ND	ND	ND	130	1.8 J	59	75	266.7	-63.13
	7/6/22	600.31	4.11	596.20	0.73	ND	ND	ND	110	1.7 J	89	51	252.4	-44.38
	10/7/22	600.31	5.66	594.65	0.53	1.9 J	ND	ND	85	1.2 J	72	39	199.6	-55.00
	1/5/23	600.31	2.62	597.69	0.19 J	ND	ND	ND	40	ND	35	6	81.2	-78.13
	4/6/23	600.31	3.10	597.21	0.22 J	ND	ND	ND	42 J	ND	32 J	15	89.2	-80.00
	Notes:													

1. NG = Not Gauged; ND = Non-Detect; 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). ; H = The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection;

2. Water Levels measured from top of riser

3. Blue Shading = Result exceeds NY-TOGS-GA for TCE

4. RED BOLDDED = Percent increase of TCE from Baseline

5. BLUE BOLDDED = Result changed as a result of data validation.

6. Data Validation was not preformed on the following sample dates: 7/16/19 (sampled by others), 10/24/19 (sampled by others), 7/1/21, 11/19/21, 1/12/22.

7. 10/24/2019 data analyzed by eurofins Lancaster Laboratories Environmental, all other data analyzed by Alpha Analytical

APPENDIX D

LABORATORY ANALYTICAL RESULTS



ANALYTICAL REPORT

Lab Number:	L2229574
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q2 2022 SSDS MONITORING
Project Number:	01304
Report Date:	06/14/22

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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: Q2 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2229574
Report Date: 06/14/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2229574-01	AREA A-PRE(060622)	SOIL_VAPOR	MPC BUFFALO NY	06/06/22 10:30	06/06/22
L2229574-02	AREA A-POST(060622)	SOIL_VAPOR	MPC BUFFALO NY	06/06/22 10:35	06/06/22

Project Name: Q2 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2229574
Report Date: 06/14/22

Case Narrative

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

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

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

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

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

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

Project Name: Q2 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2229574
Report Date: 06/14/22

Case Narrative (continued)

Volatile Organics in Air

L2229574-01D and -02D: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

L2229574-01D and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

L2229574-02: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1650024-3 LCS recoveries for 3-chloropropene (132%) and ethyl acetate (135%) are above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of these analytes.

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: 06/14/22

AIR

Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-01 D
 Client ID: AREA A-PRE(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:30
 Date Received: 06/06/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/13/22 18:51
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	2.00	--	ND	9.89	--		10
Chloromethane	ND	2.00	--	ND	4.13	--		10
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	2.00	--	ND	14.0	--		10
Vinyl chloride	ND	2.00	--	ND	5.11	--		10
1,3-Butadiene	ND	2.00	--	ND	4.42	--		10
Bromomethane	ND	2.00	--	ND	7.77	--		10
Chloroethane	ND	2.00	--	ND	5.28	--		10
Ethyl Alcohol	78.7	50.0	--	148	94.2	--		10
Vinyl bromide	ND	2.00	--	ND	8.74	--		10
Trichlorofluoromethane	ND	2.00	--	ND	11.2	--		10
iso-Propyl Alcohol	2070	5.00	--	5090	12.3	--		10
1,1-Dichloroethene	ND	2.00	--	ND	7.93	--		10
tert-Butyl Alcohol	6.71	5.00	--	20.3	15.2	--		10
Methylene chloride	ND	5.00	--	ND	17.4	--		10
3-Chloropropene	ND	2.00	--	ND	6.26	--		10
Carbon disulfide	2.41	2.00	--	7.51	6.23	--		10
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	2.00	--	ND	15.3	--		10
trans-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
1,1-Dichloroethane	ND	2.00	--	ND	8.09	--		10
Methyl tert butyl ether	ND	2.00	--	ND	7.21	--		10
2-Butanone	ND	5.00	--	ND	14.7	--		10
cis-1,2-Dichloroethene	ND	2.00	--	ND	7.93	--		10
Ethyl Acetate	ND	5.00	--	ND	18.0	--		10



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-01 D
 Client ID: AREA A-PRE(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:30
 Date Received: 06/06/22
 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								
Chloroform	4.42	2.00	--	21.6	9.77	--		10
Tetrahydrofuran	ND	5.00	--	ND	14.7	--		10
1,2-Dichloroethane	ND	2.00	--	ND	8.09	--		10
n-Hexane	4.09	2.00	--	14.4	7.05	--		10
1,1,1-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Benzene	ND	2.00	--	ND	6.39	--		10
Carbon tetrachloride	ND	2.00	--	ND	12.6	--		10
Cyclohexane	ND	2.00	--	ND	6.88	--		10
1,2-Dichloropropane	ND	2.00	--	ND	9.24	--		10
Xylene (Total)	4.28	2.00	--	18.6	8.69	--		10
Bromodichloromethane	ND	2.00	--	ND	13.4	--		10
1,4-Dioxane	ND	2.00	--	ND	7.21	--		10
Trichloroethene	48.7	2.00	--	262	10.7	--		10
2,2,4-Trimethylpentane	ND	2.00	--	ND	9.34	--		10
Heptane	ND	2.00	--	ND	8.20	--		10
cis-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	2.00	--	ND	9.08	--		10
1,1,2-Trichloroethane	ND	2.00	--	ND	10.9	--		10
Toluene	5.39	2.00	--	20.3	7.54	--		10
1,2-Dichloroethene (total)	ND	2.00	--	ND	7.93	--		10
2-Hexanone	ND	2.00	--	ND	8.20	--		10
1,3-Dichloropropene, Total	ND	2.00	--	ND	9.08	--		10
Dibromochloromethane	ND	2.00	--	ND	17.0	--		10
1,2-Dibromoethane	ND	2.00	--	ND	15.4	--		10
Tetrachloroethene	ND	2.00	--	ND	13.6	--		10



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-01 D
 Client ID: AREA A-PRE(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:30
 Date Received: 06/06/22
 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								
Chlorobenzene	ND	2.00	--	ND	9.21	--		10
Ethylbenzene	ND	2.00	--	ND	8.69	--		10
p/m-Xylene	4.28	4.00	--	18.6	17.4	--		10
Bromoform	ND	2.00	--	ND	20.7	--		10
Styrene	ND	2.00	--	ND	8.52	--		10
1,1,2,2-Tetrachloroethane	ND	2.00	--	ND	13.7	--		10
o-Xylene	ND	2.00	--	ND	8.69	--		10
4-Ethyltoluene	ND	2.00	--	ND	9.83	--		10
1,3,5-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
1,2,4-Trimethylbenzene	ND	2.00	--	ND	9.83	--		10
Benzyl chloride	ND	2.00	--	ND	10.4	--		10
1,3-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,4-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2-Dichlorobenzene	ND	2.00	--	ND	12.0	--		10
1,2,4-Trichlorobenzene	ND	2.00	--	ND	14.8	--		10
Hexachlorobutadiene	ND	2.00	--	ND	21.3	--		10

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



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-01 D
 Client ID: AREA A-PRE(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:30
 Date Received: 06/06/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/13/22 18:51
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	281	10.0	--	668	23.8	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	90		60-140



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-02
 Client ID: AREA A-POST(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:35
 Date Received: 06/06/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/13/22 19:29
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.630	0.200	--	3.12	0.989	--		1
Chloromethane	0.393	0.200	--	0.812	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	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
Ethyl Alcohol	62.9	5.00	--	119	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Trichlorofluoromethane	0.928	0.200	--	5.22	1.12	--		1
iso-Propyl Alcohol	277	0.500	--	681	1.23	--	E	1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-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	1.20	0.200	--	3.74	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
2-Butanone	1.11	0.500	--	3.27	1.47	--		1
cis-1,2-Dichloroethene	0.252	0.200	--	0.999	0.793	--		1
Chloroform	0.342	0.200	--	1.67	0.977	--		1



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-02
 Client ID: AREA A-POST(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:35
 Date Received: 06/06/22
 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								
Tetrahydrofuran	1.41	0.500	--	4.16	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.38	0.200	--	4.86	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.480	0.200	--	1.53	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
Xylene (Total)	5.44	0.200	--	23.6	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	3.43	0.200	--	18.4	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.428	0.200	--	1.75	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	4.89	0.200	--	18.4	0.754	--		1
1,2-Dichloroethene (total)	0.252	0.200	--	0.999	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		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: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-02
 Client ID: AREA A-POST(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:35
 Date Received: 06/06/22
 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								
Ethylbenzene	0.890	0.200	--	3.87	0.869	--		1
p/m-Xylene	3.98	0.400	--	17.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.201	0.200	--	0.856	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.46	0.200	--	6.34	0.869	--		1
4-Ethyltoluene	0.377	0.200	--	1.85	0.983	--		1
1,3,5-Trimethylbenzene	0.550	0.200	--	2.70	0.983	--		1
1,2,4-Trimethylbenzene	2.00	0.200	--	9.83	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

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



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-02
 Client ID: AREA A-POST(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:35
 Date Received: 06/06/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 06/13/22 19:29
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Acetone	24.7	1.00	--	58.7	2.38	--		1
Ethyl Acetate	1.00	0.500	--	3.60	1.80	--		1

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



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**SAMPLE RESULTS**

Lab ID: L2229574-02 D
 Client ID: AREA A-POST(060622)
 Sample Location: MPC BUFFALO NY

Date Collected: 06/06/22 10:35
 Date Received: 06/06/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 06/14/22 07:57
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
iso-Propyl Alcohol	298	1.25	--	733	3.07	--		2.5

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



Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/13/22 14:37

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: WG1650024-4								
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: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/13/22 14:37

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: WG1650024-4								
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: Q2 2022 SSDS MONITORING

Lab Number: L2229574

Project Number: 01304

Report Date: 06/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/13/22 14:37

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: WG1650024-4								
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: Q2 2022 SSDS MONITORING

Lab Number: L2229574

Project Number: 01304

Report Date: 06/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/13/22 14:37

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: WG1650024-4								
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: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 06/13/22 14:37

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: WG1650024-4								
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

Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22

Method Blank Analysis

Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 06/13/22 15:15

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG1650283-4								
Acetone	ND	1.00	--	ND	2.38	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2229574

Report Date: 06/14/22

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: WG1650024-3								
Chlorodifluoromethane	92		-		70-130	-		
Propylene	125		-		70-130	-		
Propane	90		-		70-130	-		
Dichlorodifluoromethane	119		-		70-130	-		
Chloromethane	100		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	117		-		70-130	-		
Methanol	90		-		70-130	-		
Vinyl chloride	127		-		70-130	-		
1,3-Butadiene	108		-		70-130	-		
Butane	115		-		70-130	-		
Bromomethane	127		-		70-130	-		
Chloroethane	129		-		70-130	-		
Ethyl Alcohol	100		-		40-160	-		
Dichlorofluoromethane	120		-		70-130	-		
Vinyl bromide	107		-		70-130	-		
Acrolein	95		-		60-113	-		
Acetone	139		-		40-160	-		
Acetonitrile	125		-		70-130	-		
Trichlorofluoromethane	124		-		70-130	-		
iso-Propyl Alcohol	117		-		40-160	-		
Acrylonitrile	92		-		70-130	-		
Pentane	116		-		70-130	-		
Ethyl ether	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2229574

Report Date: 06/14/22

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: WG1650024-3								
1,1-Dichloroethene	129		-		70-130	-		
tert-Butyl Alcohol	114		-		70-130	-		
Methylene chloride	106		-		70-130	-		
3-Chloropropene	132	Q	-		70-130	-		
Carbon disulfide	97		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		-		70-130	-		
trans-1,2-Dichloroethene	117		-		70-130	-		
1,1-Dichloroethane	125		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		
Vinyl acetate	88		-		70-130	-		
2-Butanone	107		-		70-130	-		
cis-1,2-Dichloroethene	130		-		70-130	-		
Ethyl Acetate	135	Q	-		70-130	-		
Chloroform	122		-		70-130	-		
Tetrahydrofuran	112		-		70-130	-		
2,2-Dichloropropane	98		-		70-130	-		
1,2-Dichloroethane	124		-		70-130	-		
n-Hexane	110		-		70-130	-		
Isopropyl Ether	98		-		70-130	-		
Ethyl-Tert-Butyl-Ether	101		-		70-130	-		
1,2-Dichloroethene (total)	124		-			-		
1,2-Dichloroethene (total)	124		-			-		
1,1,1-Trichloroethane	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2229574

Report Date: 06/14/22

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: WG1650024-3								
1,1-Dichloropropene	92		-		70-130	-		
Benzene	95		-		70-130	-		
Carbon tetrachloride	122		-		70-130	-		
Cyclohexane	108		-		70-130	-		
Tertiary-Amyl Methyl Ether	86		-		70-130	-		
Dibromomethane	101		-		70-130	-		
1,2-Dichloropropane	110		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	110		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	110		-		70-130	-		
Methyl Methacrylate	113		-		40-160	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	89		-		70-130	-		
1,1,2-Trichloroethane	103		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	83		-		70-130	-		
2-Hexanone	94		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Butyl Acetate	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2229574

Report Date: 06/14/22

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: WG1650024-3								
Octane	94		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
1,1,1,2-Tetrachloroethane	100		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	97		-		70-130	-		
Bromoform	118		-		70-130	-		
Styrene	92		-		70-130	-		
1,1,2,2-Tetrachloroethane	104		-		70-130	-		
o-Xylene	98		-		70-130	-		
1,2,3-Trichloropropane	86		-		70-130	-		
Nonane (C9)	80		-		70-130	-		
Isopropylbenzene	88		-		70-130	-		
Bromobenzene	88		-		70-130	-		
o-Chlorotoluene	87		-		70-130	-		
n-Propylbenzene	91		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		
4-Ethyltoluene	89		-		70-130	-		
1,3,5-Trimethylbenzene	84		-		70-130	-		
tert-Butylbenzene	91		-		70-130	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
Decane (C10)	96		-		70-130	-		
Benzyl chloride	97		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2229574

Report Date: 06/14/22

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: WG1650024-3								
1,3-Dichlorobenzene	97		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
sec-Butylbenzene	87		-		70-130	-		
p-Isopropyltoluene	85		-		70-130	-		
1,2-Dichlorobenzene	97		-		70-130	-		
n-Butylbenzene	96		-		70-130	-		
1,2-Dibromo-3-chloropropane	95		-		70-130	-		
Undecane	100		-		70-130	-		
Dodecane (C12)	101		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		70-130	-		
Naphthalene	88		-		70-130	-		
1,2,3-Trichlorobenzene	91		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q2 2022 SSDS MONITORING

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG1650283-3								
Acetone	130		-		40-160	-		25
Ethyl Acetate	125		-		70-130	-		25

Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2229574-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2229574-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2229574-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2229574-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)

Project Name: Q2 2022 SSDS MONITORING**Lab Number:** L2229574**Project Number:** 01304**Report Date:** 06/14/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: Q2 2022 SSDS MONITORING
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Report Date: 06/14/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: Q2 2022 SSDS MONITORING
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Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: Q2 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2229574
Report Date: 06/14/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



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

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L2252350
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q3 2022SSDS MONITORING
Project Number:	01304
Report Date:	10/04/22

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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: Q3 2022SSDS MONITORING
Project Number: 01304

Lab Number: L2252350
Report Date: 10/04/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2252350-01	AREA A-PRE(092222)	SOIL_VAPOR	MPC BUFFALO, NY	09/22/22 12:00	09/22/22
L2252350-02	AREA A-POST(092222)	SOIL_VAPOR	MPC BUFFALO, NY	09/22/22 12:10	09/22/22

Project Name: Q3 2022SSDS MONITORING
Project Number: 01304

Lab Number: L2252350
Report Date: 10/04/22

Case Narrative

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

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

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

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

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

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

Project Name: Q3 2022SSDS MONITORING
Project Number: 01304

Lab Number: L2252350
Report Date: 10/04/22

Case Narrative (continued)

Volatile Organics in Air

L2252350-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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: 10/04/22

AIR

Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-01
 Client ID: AREA A-PRE(092222)
 Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:00
 Date Received: 09/22/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 10/03/22 00:26
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.648	0.200	--	3.20	0.989	--		1
Chloromethane	0.411	0.200	--	0.849	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	67.0	5.00	--	126	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	29.3	1.00	--	69.6	2.38	--		1
Trichlorofluoromethane	0.664	0.200	--	3.73	1.12	--		1
Isopropanol	23.0	0.500	--	56.5	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.16	0.500	--	6.55	1.52	--		1
Methylene chloride	0.885	0.500	--	3.07	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.62	0.200	--	8.16	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	0.991	0.500	--	2.92	1.47	--		1
cis-1,2-Dichloroethene	1.33	0.200	--	5.27	0.793	--		1



Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-01
 Client ID: AREA A-PRE(092222)
 Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:00
 Date Received: 09/22/22
 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	1.31	0.500	--	4.72	1.80	--		1
Chloroform	2.87	0.200	--	14.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.55	0.200	--	12.5	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.487	0.200	--	1.56	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.285	0.200	--	0.981	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	65.6	0.200	--	353	1.07	--		1
2,2,4-Trimethylpentane	0.261	0.200	--	1.22	0.934	--		1
Heptane	0.436	0.200	--	1.79	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	3.07	0.200	--	11.6	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	0.340	0.200	--	2.31	1.36	--		1
Chlorobenzene	0.207	0.200	--	0.953	0.921	--		1
Ethylbenzene	0.509	0.200	--	2.21	0.869	--		1



Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-01

Client ID: AREA A-PRE(092222)

Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:00

Date Received: 09/22/22

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	2.27	0.400	--	9.86	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.832	0.200	--	3.61	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.271	0.200	--	1.33	0.983	--		1
1,2,4-Trimethylbenzene	0.880	0.200	--	4.33	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	91		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140



Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-02
 Client ID: AREA A-POST(092222)
 Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:10
 Date Received: 09/22/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 10/03/22 01:04
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.460	0.200	--	2.27	0.989	--		1
Chloromethane	0.251	0.200	--	0.518	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	44.5	5.00	--	83.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.1	1.00	--	33.5	2.38	--		1
Trichlorofluoromethane	0.820	0.200	--	4.61	1.12	--		1
Isopropanol	63.8	0.500	--	157	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.58	0.500	--	4.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.01	0.200	--	6.26	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	1.07	0.500	--	3.16	1.47	--		1
cis-1,2-Dichloroethene	1.52	0.200	--	6.03	0.793	--		1



Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-02
 Client ID: AREA A-POST(092222)
 Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:10
 Date Received: 09/22/22
 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	0.500	--	ND	1.80	--		1
Chloroform	6.41	0.200	--	31.3	0.977	--		1
Tetrahydrofuran	0.752	0.500	--	2.22	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.29	0.200	--	8.07	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	5.47	0.200	--	29.4	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	0.837	0.500	--	3.43	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.16	0.200	--	4.37	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	0.259	0.200	--	1.12	0.869	--		1



Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**SAMPLE RESULTS**

Lab ID: L2252350-02
 Client ID: AREA A-POST(092222)
 Sample Location: MPC BUFFALO, NY

Date Collected: 09/22/22 12:10
 Date Received: 09/22/22
 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	1.21	0.400	--	5.26	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.526	0.200	--	2.28	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.250	0.200	--	1.23	0.983	--		1
1,2,4-Trimethylbenzene	0.893	0.200	--	4.39	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	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	91		60-140



Project Name: Q3 2022SSDS MONITORING

Lab Number: L2252350

Project Number: 01304

Report Date: 10/04/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/02/22 16:43

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: WG1694587-4								
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: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/02/22 16:43

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: WG1694587-4								
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: Q3 2022SSDS MONITORING

Lab Number: L2252350

Project Number: 01304

Report Date: 10/04/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 10/02/22 16:43

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: WG1694587-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 2022SSDS MONITORING

Project Number: 01304

Lab Number: L2252350

Report Date: 10/04/22

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: WG1694587-3								
Dichlorodifluoromethane	92		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	91		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethanol	108		-		40-160	-		
Vinyl bromide	92		-		70-130	-		
Acetone	98		-		40-160	-		
Trichlorofluoromethane	93		-		70-130	-		
Isopropanol	94		-		40-160	-		
1,1-Dichloroethene	104		-		70-130	-		
Tertiary butyl Alcohol	106		-		70-130	-		
Methylene chloride	93		-		70-130	-		
3-Chloropropene	101		-		70-130	-		
Carbon disulfide	90		-		70-130	-		
Freon-113	92		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	93		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
2-Butanone	90		-		70-130	-		
cis-1,2-Dichloroethene	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 2022SSDS MONITORING

Project Number: 01304

Lab Number: L2252350

Report Date: 10/04/22

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: WG1694587-3								
Ethyl Acetate	114		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
1,2-Dichloroethane	97		-		70-130	-		
n-Hexane	102		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	90		-		70-130	-		
Carbon tetrachloride	110		-		70-130	-		
Cyclohexane	102		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	94		-		70-130	-		
2,2,4-Trimethylpentane	104		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	98		-		70-130	-		
trans-1,3-Dichloropropene	95		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Toluene	81		-		70-130	-		
2-Hexanone	93		-		70-130	-		
Dibromochloromethane	101		-		70-130	-		
1,2-Dibromoethane	91		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q3 2022SSDS MONITORING

Project Number: 01304

Lab Number: L2252350

Report Date: 10/04/22

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: WG1694587-3								
Tetrachloroethene	86		-		70-130	-		
Chlorobenzene	86		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	105		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	96		-		70-130	-		
4-Ethyltoluene	93		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	101		-		70-130	-		
Benzyl chloride	112		-		70-130	-		
1,3-Dichlorobenzene	101		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	100		-		70-130	-		
1,2,4-Trichlorobenzene	97		-		70-130	-		
Hexachlorobutadiene	101		-		70-130	-		

Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**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(*)
L2252350-01A	Tedlar Bag 5 liter-Polypropylene Fitting	N/A	NA			Y	Absent		TO15-LL(30)
L2252350-01X	Tedlar Bag 5 liter-Polypropylene Fitting	N/A	NA			Y	Absent		TO15-LL(30)
L2252350-02A	Tedlar Bag 5 liter-Polypropylene Fitting	N/A	NA			Y	Absent		TO15-LL(30)
L2252350-02X	Tedlar Bag 5 liter-Polypropylene Fitting	N/A	NA			Y	Absent		TO15-LL(30)

Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: Q3 2022SSDS MONITORING**Lab Number:** L2252350**Project Number:** 01304**Report Date:** 10/04/22**Footnotes**

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: Q3 2022SSDS MONITORING
Project Number: 01304

Lab Number: L2252350
Report Date: 10/04/22

Data Qualifiers

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

Project Name: Q3 2022SSDS MONITORING
Project Number: 01304

Lab Number: L2252350
Report Date: 10/04/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 19

Department: **Quality Assurance**

Published Date: 4/2/2021 1:14:23 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, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L2269445
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q4 2022 SSDS MONITORING
Project Number:	01304
Report Date:	12/23/22

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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).

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Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2269445-01	AREA A-PRE(120922)	SOIL_VAPOR	MPC BUFFALO, NY	12/09/22 00:00	12/09/22
L2269445-02	AREA A-POST(120922)	SOIL_VAPOR	MPC BUFFALO, NY	12/09/22 00:00	12/09/22

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Case Narrative

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

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

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

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

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

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

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Case Narrative (continued)

Volatile Organics in Air

L2269445-01 and -02: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

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:



Jennifer Jerome

Title: Technical Director/Representative

Date: 12/23/22

AIR

Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-01
 Client ID: AREA A-PRE(120922)
 Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
 Date Received: 12/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/22/22 05:10
 Analyst: RAY

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.528	0.200	--	2.61	0.989	--		1
Chloromethane	0.362	0.200	--	0.748	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	67.6	5.00	--	127	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	82.7	1.00	--	196	2.38	--		1
Trichlorofluoromethane	0.263	0.200	--	1.48	1.12	--		1
Isopropanol	190	0.500	--	467	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	5.46	0.500	--	16.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.35	0.200	--	4.20	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	0.705	0.500	--	2.08	1.47	--		1
cis-1,2-Dichloroethene	0.832	0.200	--	3.30	0.793	--		1



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-01
 Client ID: AREA A-PRE(120922)
 Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
 Date Received: 12/09/22
 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	47.3	0.500	--	170	1.80	--		1
Chloroform	4.99	0.200	--	24.4	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	7.86	0.200	--	27.7	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.574	0.200	--	1.83	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.261	0.200	--	0.898	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	46.5	0.200	--	250	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.20	0.200	--	9.02	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	4.94	0.200	--	18.6	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	0.434	0.200	--	2.94	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.888	0.200	--	3.86	0.869	--		1



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-01

Client ID: AREA A-PRE(120922)

Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00

Date Received: 12/09/22

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	3.40	0.400	--	14.8	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.296	0.200	--	1.26	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.06	0.200	--	4.60	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.587	0.200	--	2.89	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	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-02
 Client ID: AREA A-POST(120922)
 Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
 Date Received: 12/09/22
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/22/22 04:30
 Analyst: RAY

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	0.383	0.200	--	0.791	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	13.3	5.00	--	25.1	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.27	1.00	--	17.3	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	20.7	0.500	--	50.9	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	0.251	0.200	--	0.782	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



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-02
 Client ID: AREA A-POST(120922)
 Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
 Date Received: 12/09/22
 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	38.1	0.500	--	137	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	1.26	0.200	--	4.44	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.237	0.200	--	0.757	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	1.56	0.200	--	8.38	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	1.15	0.200	--	4.33	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	0.812	0.200	--	5.51	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.279	0.200	--	1.21	0.869	--		1



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**SAMPLE RESULTS**

Lab ID: L2269445-02
 Client ID: AREA A-POST(120922)
 Sample Location: MPC BUFFALO, NY

Date Collected: 12/09/22 00:00
 Date Received: 12/09/22
 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	1.45	0.400	--	6.30	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.536	0.200	--	2.33	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	0.316	0.200	--	1.55	0.983	--		1
1,2,4-Trimethylbenzene	0.728	0.200	--	3.58	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	97		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	94		60-140



Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/21/22 16:09

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: WG1726235-4								
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: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/21/22 16:09

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: WG1726235-4								
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: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/21/22 16:09

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: WG1726235-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q4 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2269445

Report Date: 12/23/22

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: WG1726235-3								
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	97		-		70-130	-		
Freon-114	96		-		70-130	-		
Vinyl chloride	91		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	95		-		70-130	-		
Chloroethane	85		-		70-130	-		
Ethanol	98		-		40-160	-		
Vinyl bromide	85		-		70-130	-		
Acetone	78		-		40-160	-		
Trichlorofluoromethane	85		-		70-130	-		
Isopropanol	102		-		40-160	-		
1,1-Dichloroethene	86		-		70-130	-		
Tertiary butyl Alcohol	83		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	87		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	81		-		70-130	-		
1,1-Dichloroethane	82		-		70-130	-		
Methyl tert butyl ether	86		-		70-130	-		
2-Butanone	86		-		70-130	-		
cis-1,2-Dichloroethene	86		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Q4 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2269445

Report Date: 12/23/22

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: WG1726235-3								
Ethyl Acetate	87		-		70-130	-		
Chloroform	102		-		70-130	-		
Tetrahydrofuran	82		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	103		-		70-130	-		
1,1,1-Trichloroethane	98		-		70-130	-		
Benzene	99		-		70-130	-		
Carbon tetrachloride	103		-		70-130	-		
Cyclohexane	106		-		70-130	-		
1,2-Dichloropropane	93		-		70-130	-		
Bromodichloromethane	111		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	105		-		70-130	-		
Heptane	100		-		70-130	-		
cis-1,3-Dichloropropene	108		-		70-130	-		
4-Methyl-2-pentanone	100		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	99		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	92		-		70-130	-		
Dibromochloromethane	98		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q4 2022 SSDS MONITORING

Project Number: 01304

Lab Number: L2269445

Report Date: 12/23/22

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: WG1726235-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	95		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	93		-		70-130	-		
1,1,2,2-Tetrachloroethane	107		-		70-130	-		
o-Xylene	98		-		70-130	-		
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2269445-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2269445-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

Project Name: Q4 2022 SSDS MONITORING**Lab Number:** L2269445**Project Number:** 01304**Report Date:** 12/23/22

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

Data Qualifiers

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

Project Name: Q4 2022 SSDS MONITORING
Project Number: 01304

Lab Number: L2269445
Report Date: 12/23/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

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

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

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

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



ANALYTICAL REPORT

Lab Number:	L2312615
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	Q1 2023 SSDS MONITORING
Project Number:	01304
Report Date:	03/21/23

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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: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2312615-01	AREA A-PRE(030823)	SOIL_VAPOR	MPC BUFFALO NY	03/08/23 15:20	03/09/23
L2312615-02	AREA A-POST(030823)	SOIL_VAPOR	MPC BUFFALO NY	03/08/23 15:20	03/09/23

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Case Narrative

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

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

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

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

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

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

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Case Narrative (continued)

Volatile Organics in Air

L2312615-01D and -02D: Samples were transferred from a Tedlar bag into a fused silica lined canister upon receipt in order to extend the holding time for analysis.

L2312615-01D,02D: Prior to sample analysis, the canisters were pressurized with UHP Nitrogen due to canister size. The pressurization resulted in a dilution of the sample. The reporting limits have been elevated accordingly.

The WG1756728-3 LCS recovery for bromoform (144%) 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: 03/21/23

AIR

Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-01 D
 Client ID: AREA A-PRE(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/23 02:30
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.423	--	2.53	2.09	--		2.114
Chloromethane	ND	0.423	--	ND	0.874	--		2.114
Freon-114	ND	0.423	--	ND	2.96	--		2.114
Vinyl chloride	ND	0.423	--	ND	1.08	--		2.114
1,3-Butadiene	ND	0.423	--	ND	0.936	--		2.114
Bromomethane	ND	0.423	--	ND	1.64	--		2.114
Chloroethane	ND	0.423	--	ND	1.12	--		2.114
Ethanol	60.4	10.6	--	114	20.0	--		2.114
Vinyl bromide	ND	0.423	--	ND	1.85	--		2.114
Acetone	196	2.11	--	466	5.01	--		2.114
Trichlorofluoromethane	ND	0.423	--	ND	2.38	--		2.114
Isopropanol	259	1.06	--	637	2.61	--		2.114
1,1-Dichloroethene	ND	0.423	--	ND	1.68	--		2.114
Tertiary butyl Alcohol	5.93	1.06	--	18.0	3.21	--		2.114
Methylene chloride	ND	1.06	--	ND	3.68	--		2.114
3-Chloropropene	ND	0.423	--	ND	1.32	--		2.114
Carbon disulfide	ND	0.423	--	ND	1.32	--		2.114
Freon-113	ND	0.423	--	ND	3.24	--		2.114
trans-1,2-Dichloroethene	ND	0.423	--	ND	1.68	--		2.114
1,1-Dichloroethane	ND	0.423	--	ND	1.71	--		2.114
Methyl tert butyl ether	ND	0.423	--	ND	1.53	--		2.114
2-Butanone	1.40	1.06	--	4.13	3.13	--		2.114
cis-1,2-Dichloroethene	0.936	0.423	--	3.71	1.68	--		2.114



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-01 D
 Client ID: AREA A-PRE(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 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	59.5	1.06	--	214	3.82	--		2.114
Chloroform	3.88	0.423	--	18.9	2.07	--		2.114
Tetrahydrofuran	ND	1.06	--	ND	3.13	--		2.114
1,2-Dichloroethane	ND	0.423	--	ND	1.71	--		2.114
n-Hexane	ND	0.423	--	ND	1.49	--		2.114
1,1,1-Trichloroethane	ND	0.423	--	ND	2.31	--		2.114
Benzene	0.454	0.423	--	1.45	1.35	--		2.114
Carbon tetrachloride	ND	0.423	--	ND	2.66	--		2.114
Cyclohexane	ND	0.423	--	ND	1.46	--		2.114
1,2-Dichloropropane	ND	0.423	--	ND	1.95	--		2.114
Bromodichloromethane	ND	0.423	--	ND	2.83	--		2.114
1,4-Dioxane	ND	0.423	--	ND	1.52	--		2.114
Trichloroethene	34.1	0.423	--	183	2.27	--		2.114
2,2,4-Trimethylpentane	ND	0.423	--	ND	1.98	--		2.114
Heptane	4.40	0.423	--	18.0	1.73	--		2.114
cis-1,3-Dichloropropene	ND	0.423	--	ND	1.92	--		2.114
4-Methyl-2-pentanone	ND	1.06	--	ND	4.34	--		2.114
trans-1,3-Dichloropropene	ND	0.423	--	ND	1.92	--		2.114
1,1,2-Trichloroethane	ND	0.423	--	ND	2.31	--		2.114
Toluene	2.88	0.423	--	10.9	1.59	--		2.114
2-Hexanone	ND	0.423	--	ND	1.73	--		2.114
Dibromochloromethane	ND	0.423	--	ND	3.60	--		2.114
1,2-Dibromoethane	ND	0.423	--	ND	3.25	--		2.114
Tetrachloroethene	0.615	0.423	--	4.17	2.87	--		2.114
Chlorobenzene	ND	0.423	--	ND	1.95	--		2.114
Ethylbenzene	0.617	0.423	--	2.68	1.84	--		2.114



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-01 D
 Client ID: AREA A-PRE(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 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	2.45	0.846	--	10.6	3.67	--		2.114
Bromoform	ND	0.423	--	ND	4.37	--		2.114
Styrene	ND	0.423	--	ND	1.80	--		2.114
1,1,2,2-Tetrachloroethane	ND	0.423	--	ND	2.90	--		2.114
o-Xylene	0.698	0.423	--	3.03	1.84	--		2.114
4-Ethyltoluene	ND	0.423	--	ND	2.08	--		2.114
1,3,5-Trimethylbenzene	ND	0.423	--	ND	2.08	--		2.114
1,2,4-Trimethylbenzene	0.440	0.423	--	2.16	2.08	--		2.114
Benzyl chloride	ND	0.423	--	ND	2.19	--		2.114
1,3-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,4-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,2-Dichlorobenzene	ND	0.423	--	ND	2.54	--		2.114
1,2,4-Trichlorobenzene	ND	0.423	--	ND	3.14	--		2.114
Hexachlorobutadiene	ND	0.423	--	ND	4.51	--		2.114

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



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-02 D
 Client ID: AREA A-POST(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/23 03:08
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.575	0.427	--	2.84	2.11	--		2.137
Chloromethane	ND	0.427	--	ND	0.882	--		2.137
Freon-114	ND	0.427	--	ND	2.98	--		2.137
Vinyl chloride	ND	0.427	--	ND	1.09	--		2.137
1,3-Butadiene	ND	0.427	--	ND	0.945	--		2.137
Bromomethane	ND	0.427	--	ND	1.66	--		2.137
Chloroethane	ND	0.427	--	ND	1.13	--		2.137
Ethanol	64.2	10.7	--	121	20.2	--		2.137
Vinyl bromide	ND	0.427	--	ND	1.87	--		2.137
Acetone	9.94	2.14	--	23.6	5.08	--		2.137
Trichlorofluoromethane	ND	0.427	--	ND	2.40	--		2.137
Isopropanol	114	1.07	--	280	2.63	--		2.137
1,1-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137
Tertiary butyl Alcohol	ND	1.07	--	ND	3.24	--		2.137
Methylene chloride	ND	1.07	--	ND	3.72	--		2.137
3-Chloropropene	ND	0.427	--	ND	1.34	--		2.137
Carbon disulfide	1.03	0.427	--	3.21	1.33	--		2.137
Freon-113	ND	0.427	--	ND	3.27	--		2.137
trans-1,2-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137
1,1-Dichloroethane	ND	0.427	--	ND	1.73	--		2.137
Methyl tert butyl ether	ND	0.427	--	ND	1.54	--		2.137
2-Butanone	ND	1.07	--	ND	3.16	--		2.137
cis-1,2-Dichloroethene	ND	0.427	--	ND	1.69	--		2.137



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-02 D
 Client ID: AREA A-POST(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 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	47.3	1.07	--	170	3.86	--		2.137
Chloroform	ND	0.427	--	ND	2.09	--		2.137
Tetrahydrofuran	ND	1.07	--	ND	3.16	--		2.137
1,2-Dichloroethane	ND	0.427	--	ND	1.73	--		2.137
n-Hexane	ND	0.427	--	ND	1.50	--		2.137
1,1,1-Trichloroethane	ND	0.427	--	ND	2.33	--		2.137
Benzene	ND	0.427	--	ND	1.36	--		2.137
Carbon tetrachloride	ND	0.427	--	ND	2.69	--		2.137
Cyclohexane	ND	0.427	--	ND	1.47	--		2.137
1,2-Dichloropropane	ND	0.427	--	ND	1.97	--		2.137
Bromodichloromethane	ND	0.427	--	ND	2.86	--		2.137
1,4-Dioxane	ND	0.427	--	ND	1.54	--		2.137
Trichloroethene	ND	0.427	--	ND	2.29	--		2.137
2,2,4-Trimethylpentane	ND	0.427	--	ND	1.99	--		2.137
Heptane	ND	0.427	--	ND	1.75	--		2.137
cis-1,3-Dichloropropene	ND	0.427	--	ND	1.94	--		2.137
4-Methyl-2-pentanone	ND	1.07	--	ND	4.39	--		2.137
trans-1,3-Dichloropropene	ND	0.427	--	ND	1.94	--		2.137
1,1,2-Trichloroethane	ND	0.427	--	ND	2.33	--		2.137
Toluene	0.972	0.427	--	3.66	1.61	--		2.137
2-Hexanone	ND	0.427	--	ND	1.75	--		2.137
Dibromochloromethane	ND	0.427	--	ND	3.64	--		2.137
1,2-Dibromoethane	ND	0.427	--	ND	3.28	--		2.137
Tetrachloroethene	ND	0.427	--	ND	2.90	--		2.137
Chlorobenzene	ND	0.427	--	ND	1.97	--		2.137
Ethylbenzene	ND	0.427	--	ND	1.85	--		2.137



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**SAMPLE RESULTS**

Lab ID: L2312615-02 D
 Client ID: AREA A-POST(030823)
 Sample Location: MPC BUFFALO NY

Date Collected: 03/08/23 15:20
 Date Received: 03/09/23
 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	ND	0.855	--	ND	3.71	--		2.137
Bromoform	ND	0.427	--	ND	4.41	--		2.137
Styrene	ND	0.427	--	ND	1.82	--		2.137
1,1,2,2-Tetrachloroethane	ND	0.427	--	ND	2.93	--		2.137
o-Xylene	ND	0.427	--	ND	1.85	--		2.137
4-Ethyltoluene	ND	0.427	--	ND	2.10	--		2.137
1,3,5-Trimethylbenzene	ND	0.427	--	ND	2.10	--		2.137
1,2,4-Trimethylbenzene	ND	0.427	--	ND	2.10	--		2.137
Benzyl chloride	ND	0.427	--	ND	2.21	--		2.137
1,3-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,4-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,2-Dichlorobenzene	ND	0.427	--	ND	2.57	--		2.137
1,2,4-Trichlorobenzene	ND	0.427	--	ND	3.17	--		2.137
Hexachlorobutadiene	ND	0.427	--	ND	4.55	--		2.137

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



Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/20/23 15:24

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: WG1756728-4								
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: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/20/23 15:24

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: WG1756728-4								
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: Q1 2023 SSDS MONITORING

Lab Number: L2312615

Project Number: 01304

Report Date: 03/21/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/20/23 15:24

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: WG1756728-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q1 2023 SSDS MONITORING

Project Number: 01304

Lab Number: L2312615

Report Date: 03/21/23

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: WG1756728-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	93		-		70-130	-		
Freon-114	97		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	86		-		40-160	-		
Vinyl bromide	101		-		70-130	-		
Acetone	101		-		40-160	-		
Trichlorofluoromethane	107		-		70-130	-		
Isopropanol	91		-		40-160	-		
1,1-Dichloroethene	101		-		70-130	-		
Tertiary butyl Alcohol	91		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	106		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q1 2023 SSDS MONITORING

Project Number: 01304

Lab Number: L2312615

Report Date: 03/21/23

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: WG1756728-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	104		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	116		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	124		-		70-130	-		
Cyclohexane	97		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	116		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	104		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	90		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	99		-		70-130	-		
Dibromochloromethane	130		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Q1 2023 SSDS MONITORING

Project Number: 01304

Lab Number: L2312615

Report Date: 03/21/23

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: WG1756728-3								
Tetrachloroethene	101		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	101		-		70-130	-		
Bromoform	144	Q	-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	98		-		70-130	-		
1,3,5-Trimethylbenzene	95		-		70-130	-		
1,2,4-Trimethylbenzene	98		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,2-Dichlorobenzene	96		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
Hexachlorobutadiene	98		-		70-130	-		

Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23**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(*)
L2312615-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-02A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2312615-02X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

Project Name: Q1 2023 SSDS MONITORING**Lab Number:** L2312615**Project Number:** 01304**Report Date:** 03/21/23

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

Data Qualifiers

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

Project Name: Q1 2023 SSDS MONITORING
Project Number: 01304

Lab Number: L2312615
Report Date: 03/21/23

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 19

Published Date: 4/2/2021 1:14:23 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, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L2235931
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2022 SMP GROUNDWATER SAMPL.
Project Number:	01304
Report Date:	07/19/22

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: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2235931-01	MW-11 (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 09:10	07/06/22
L2235931-02	MW-11 (070622) DUPLICATE	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 09:10	07/06/22
L2235931-03	MW-12 (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 09:45	07/06/22
L2235931-04	MW-3 (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 10:35	07/06/22
L2235931-05	MW-13 (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 11:15	07/06/22
L2235931-06	TRIP BLANK (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 00:00	07/06/22
L2235931-08	RINSATE BLANK (070622)	WATER	MOD-PAC CORP, BUFFALO NY	07/06/22 11:30	07/06/22

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Case Narrative

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

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

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

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

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

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

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

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.

Sample Receipt

L2235931-06: Headspace was noted in the sample containers submitted for TCL Volatiles - EPA 8260C. The analysis was performed at the client's request.

Volatile Organics

L2235931-06: Headspace was noted in the sample container utilized for analysis.

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:



Steven Gniadek

Title: Technical Director/Representative

Date: 07/19/22

ORGANICS

VOLATILES

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-01
Client ID: MW-11 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:10
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 12:54
Analyst: PD

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.22	J	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	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.36	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	20		ug/l	2.5	0.70	1
Trichloroethene	27		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-01
Client ID: MW-11 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:10
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.6	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	120		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-02
Client ID: MW-11 (070622) DUPLICATE
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:10
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 13:20
Analyst: PD

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.18	J	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	7.8		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.18	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Trichloroethene	25		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-02
Client ID: MW-11 (070622) DUPLICATE
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:10
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	14		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.7	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	85		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	117		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-03
Client ID: MW-12 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:45
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 13:47
Analyst: PD

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-03
Client ID: MW-12 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 09:45
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	121		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-04 **D**
Client ID: MW-3 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 10:35
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/17/22 23:42
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	3.7		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.48	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	6.2		ug/l	5.0	1.4	2
Trichloroethene	240		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-04 **D**
Client ID: MW-3 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 10:35
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	74		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	118		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-05
Client ID: MW-13 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 11:15
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 14:39
Analyst: PD

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
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	51		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.73		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.7	J	ug/l	2.5	0.70	1
Trichloroethene	89		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-05
Client ID: MW-13 (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 11:15
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	110		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	118		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-06
Client ID: TRIP BLANK (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 00:00
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 15:32
Analyst: PD

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-06
Client ID: TRIP BLANK (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 00:00
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	123		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-08
Client ID: RINSATE BLANK (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 11:30
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/15/22 15:06
Analyst: PD

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

SAMPLE RESULTS

Lab ID: L2235931-08
Client ID: RINSATE BLANK (070622)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 07/06/22 11:30
Date Received: 07/06/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	121		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/22 15:08
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1664088-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GROUNDWATER SAMPL.**Lab Number:** L2235931**Project Number:** 01304**Report Date:** 07/19/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/22 15:08
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1664088-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/17/22 15:08
 Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1664088-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	110		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1664193-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1664193-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/15/22 09:50
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,05-06,08 Batch: WG1664193-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1664088-3 WG1664088-4								
Methylene chloride	86		86		70-130	0		20
1,1-Dichloroethane	90		95		70-130	5		20
Chloroform	91		96		70-130	5		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	81		84		70-130	4		20
Dibromochloromethane	98		98		63-130	0		20
1,1,2-Trichloroethane	81		82		70-130	1		20
Tetrachloroethene	96		100		70-130	4		20
Chlorobenzene	88		90		75-130	2		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	81		83		70-130	2		20
cis-1,3-Dichloropropene	91		91		70-130	0		20
Bromoform	90		90		54-136	0		20
1,1,2,2-Tetrachloroethane	88		88		67-130	0		20
Benzene	87		91		70-130	4		20
Toluene	81		84		70-130	4		20
Ethylbenzene	81		85		70-130	5		20
Chloromethane	88		94		64-130	7		20
Bromomethane	50		54		39-139	8		20
Vinyl chloride	87		91		55-140	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1664088-3 WG1664088-4								
Chloroethane	93		88		55-138	6		20
1,1-Dichloroethene	97		97		61-145	0		20
trans-1,2-Dichloroethene	93		98		70-130	5		20
Trichloroethene	82		84		70-130	2		20
1,2-Dichlorobenzene	95		98		70-130	3		20
1,3-Dichlorobenzene	91		94		70-130	3		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	95		96		63-130	1		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	94		93		70-130	1		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	97		100		58-148	3		20
Carbon disulfide	90		92		51-130	2		20
2-Butanone	98		92		63-138	6		20
4-Methyl-2-pentanone	84		87		59-130	4		20
2-Hexanone	84		84		57-130	0		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	94		92		70-130	2		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	84		89		70-130	6		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1664088-3 WG1664088-4								
1,2,4-Trichlorobenzene	81		85		70-130	5		20
Methyl Acetate	110		100		70-130	10		20
Cyclohexane	100		110		70-130	10		20
1,4-Dioxane	98		102		56-162	4		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	90		96		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	89		89		70-130
4-Bromofluorobenzene	82		83		70-130
Dibromofluoromethane	112		111		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1664193-3 WG1664193-4								
Methylene chloride	83		86		70-130	4		20
1,1-Dichloroethane	92		92		70-130	0		20
Chloroform	89		87		70-130	2		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	81		80		70-130	1		20
Dibromochloromethane	95		96		63-130	1		20
1,1,2-Trichloroethane	80		82		70-130	2		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	87		88		75-130	1		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	98		98		70-130	0		20
1,1,1-Trichloroethane	99		97		67-130	2		20
Bromodichloromethane	89		90		67-130	1		20
trans-1,3-Dichloropropene	79		78		70-130	1		20
cis-1,3-Dichloropropene	86		85		70-130	1		20
Bromoform	85		82		54-136	4		20
1,1,2,2-Tetrachloroethane	84		87		67-130	4		20
Benzene	86		87		70-130	1		20
Toluene	80		82		70-130	2		20
Ethylbenzene	80		80		70-130	0		20
Chloromethane	81		81		64-130	0		20
Bromomethane	44		46		39-139	4		20
Vinyl chloride	87		90		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1664193-3 WG1664193-4								
Chloroethane	94		110		55-138	16		20
1,1-Dichloroethene	95		94		61-145	1		20
trans-1,2-Dichloroethene	94		96		70-130	2		20
Trichloroethene	82		82		70-130	0		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	91		91		70-130	0		20
1,4-Dichlorobenzene	95		93		70-130	2		20
Methyl tert butyl ether	92		90		63-130	2		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	85		90		70-130	6		20
cis-1,2-Dichloroethene	91		94		70-130	3		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	92		86		58-148	7		20
Carbon disulfide	87		88		51-130	1		20
2-Butanone	86		87		63-138	1		20
4-Methyl-2-pentanone	82		79		59-130	4		20
2-Hexanone	81		76		57-130	6		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	90		89		70-130	1		20
1,2-Dibromo-3-chloropropane	97		90		41-144	7		20
Isopropylbenzene	83		83		70-130	0		20
1,2,3-Trichlorobenzene	82		83		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Lab Number: L2235931

Project Number: 01304

Report Date: 07/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,05-06,08 Batch: WG1664193-3 WG1664193-4								
1,2,4-Trichlorobenzene	81		79		70-130	3		20
Methyl Acetate	96		94		70-130	2		20
Cyclohexane	100		98		70-130	2		20
1,4-Dioxane	98		96		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	84		84		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		102		70-130
Toluene-d8	88		90		70-130
4-Bromofluorobenzene	84		84		70-130
Dibromofluoromethane	110		112		70-130

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2022 SMP GROUNDWATER SAMPL.**Project Number:** 01304**Lab Number:** L2235931**Report Date:** 07/19/22

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): 01-03,05-06,08 QC Batch ID: WG1664193-6 WG1664193-7 QC Sample: L2235931-03 Client ID: MW-12 (070622)												
Methylene chloride	ND	10	9.2	92		8.8	88		70-130	4		20
1,1-Dichloroethane	ND	10	10	100		9.8	98		70-130	2		20
Chloroform	ND	10	10	100		9.5	95		70-130	5		20
Carbon tetrachloride	ND	10	14	140	Q	13	130		63-132	7		20
1,2-Dichloropropane	ND	10	8.9	89		8.6	86		70-130	3		20
Dibromochloromethane	ND	10	9.8	98		9.4	94		63-130	4		20
1,1,2-Trichloroethane	ND	10	8.1	81		7.8	78		70-130	4		20
Tetrachloroethene	ND	10	10	100		9.8	98		70-130	2		20
Chlorobenzene	ND	10	9.2	92		8.9	89		75-130	3		20
Trichlorofluoromethane	ND	10	14	140		13	130		62-150	7		20
1,2-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		11	110		67-130	9		20
Bromodichloromethane	ND	10	9.8	98		9.6	96		67-130	2		20
trans-1,3-Dichloropropene	ND	10	8.0	80		7.4	74		70-130	8		20
cis-1,3-Dichloropropene	ND	10	8.9	89		8.6	86		70-130	3		20
Bromoform	ND	10	8.8	88		8.3	83		54-136	6		20
1,1,2,2-Tetrachloroethane	ND	10	8.5	85		8.3	83		67-130	2		20
Benzene	ND	10	9.3	93		9.1	91		70-130	2		20
Toluene	ND	10	8.7	87		8.3	83		70-130	5		20
Ethylbenzene	ND	10	8.6	86		8.3	83		70-130	4		20
Chloromethane	ND	10	9.7	97		9.8	98		64-130	1		20
Bromomethane	ND	10	3.4	34	Q	3.9	39		39-139	14		20
Vinyl chloride	ND	10	10	100		10	100		55-140	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2022 SMP GROUNDWATER SAMPL.**Project Number:** 01304**Lab Number:** L2235931**Report Date:** 07/19/22

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): 01-03,05-06,08 QC Batch ID: WG1664193-6 WG1664193-7 QC Sample: L2235931-03 Client ID: MW-12 (070622)												
Chloroethane	ND	10	12	120		10	100		55-138	18		20
1,1-Dichloroethene	ND	10	11	110		10	100		61-145	10		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	ND	10	9.0	90		8.7	87		70-130	3		20
1,2-Dichlorobenzene	ND	10	9.9	99		9.5	95		70-130	4		20
1,3-Dichlorobenzene	ND	10	9.7	97		9.5	95		70-130	2		20
1,4-Dichlorobenzene	ND	10	9.8	98		9.6	96		70-130	2		20
Methyl tert butyl ether	ND	10	9.6	96		9.2	92		63-130	4		20
p/m-Xylene	ND	20	18	90		18	90		70-130	0		20
o-Xylene	ND	20	18	90		18	90		70-130	0		20
cis-1,2-Dichloroethene	ND	10	9.9	99		9.5	95		70-130	4		20
Styrene	ND	20	18	90		17	85		70-130	6		20
Dichlorodifluoromethane	ND	10	13	130		12	120		36-147	8		20
Acetone	ND	10	10	100		10	100		58-148	0		20
Carbon disulfide	ND	10	10	100		9.6	96		51-130	4		20
2-Butanone	ND	10	9.2	92		8.8	88		63-138	4		20
4-Methyl-2-pentanone	ND	10	7.7	77		7.4	74		59-130	4		20
2-Hexanone	ND	10	7.5	75		7.2	72		57-130	4		20
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20
1,2-Dibromoethane	ND	10	9.1	91		8.9	89		70-130	2		20
1,2-Dibromo-3-chloropropane	ND	10	9.3	93		9.3	93		41-144	0		20
Isopropylbenzene	ND	10	9.0	90		8.8	88		70-130	2		20
1,2,3-Trichlorobenzene	ND	10	8.2	82		8.1	81		70-130	1		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2022 SMP GROUNDWATER SAMPL.**Lab Number:** L2235931**Project Number:** 01304**Report Date:** 07/19/22

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): 01-03,05-06,08 QC Batch ID: WG1664193-6 WG1664193-7 QC Sample: L2235931-03 Client ID: MW-12 (070622)												
1,2,4-Trichlorobenzene	ND	10	8.2	82		8.2	82		70-130	0		20
Methyl Acetate	ND	10	9.0	90		9.3	93		70-130	3		20
Cyclohexane	ND	10	11	110		11	110		70-130	0		20
1,4-Dioxane	ND	500	510	102		470	94		56-162	8		20
Freon-113	ND	10	13	130		12	120		70-130	8		20
Methyl cyclohexane	ND	10	9.4J	94		9.1J	91		70-130	3		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
4-Bromofluorobenzene	84		85		70-130
Dibromofluoromethane	113		115		70-130
Toluene-d8	87		88		70-130

Project Name: CY2022 SMP GROUNDWATER SAMPL.**Lab Number:** L2235931**Project Number:** 01304**Report Date:** 07/19/22**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(*)
L2235931-01A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-01B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-01C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-02A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-02B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-02C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03A1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03A2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03B1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03B2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03C1	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-03C2	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-04A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-04B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-04C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-05A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-05B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-05C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-06A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-06B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2022 SMP GROUNDWATER SAMPL.

Project Number: 01304

Serial_No:07192219:58

Lab Number: L2235931

Report Date: 07/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2235931-08A	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-08B	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)
L2235931-08C	Vial HCl preserved	A	NA		5.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2022 SMP GROUNDWATER SAMPL.
Project Number: 01304

Lab Number: L2235931
Report Date: 07/19/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



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

Revision 19

Published Date: 4/2/2021 1:14:23 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, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page of		Date Rec'd in Lab 7/7/22		ALPHA Job # L2235931			
		Project Information Project Name: CY2022 SMP GROUNDWATER SAMPLING Project Location: MOD PAC CORP, BUFFALO NY Project # 01304 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # 01304					
Client Information Client: ENVIRONMENTAL ADVANTAGE Address: 3636 N BUFFALO RD ORCHARD PARK NY 14127 Phone: 667-3130 Fax: 667-3152 Email: mhanna@envadvantage.com		Project Manager: MARK HANNA + MARY SZUSTAK ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:					
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: OPEN NEW SAMPLE DELIVERY GROUP AND CLOSE 07/06/2022 PLEASE ALSO EMAIL RESULTS TO mszustak@envadvantage.com & Please specify Metals or TAL. jkryszak@envadvantage.com						ANALYSIS VOCs 8260 TCL		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Total Bottle	
35931		1		MW-11(070622)		07/06/22 9:10		GW SK		X	
		2		MW-11(070622) DUPLICATE		9:10		GW SK		X	
		3		MW-12(070622)		9:45		GW SK		X	
TS		3 4		MW-12(070622) MS		9:45		GW SK		X	
TS		3 5		MW-12(070622) MSD		9:45		GW SK		X	
		4		MW-3(070622)		10:35		GW SK		X	
		5		MW-13(070622)		11:15		GW SK		X	
		6		TRIP BLANK (070622)		11:00		WA SK		X	
		8		RINSE BLANK (070622)		11:30		GW SK		X	
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type		V			
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative		B			
B = HCl		A = Amber Glass									
C = HNO ₃		V = Vial									
D = H ₂ SO ₄		G = Glass									
E = NaOH		B = Bacteria Cup									
F = MeOH		C = Cube									
G = NaHSO ₄		O = Other									
H = Na ₂ S ₂ O ₃		E = Encore									
K/E = Zn Ac/NaOH		D = BOD Bottle									
O = Other											
Form No: 01-25 HC (rev. 30-Sept-2013)		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. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
		[Signature]		7/6/22 1330		[Signature]		7/6/22 1330			
		[Signature]		7/6/22 1455		[Signature]		7/7/22 01:20			



ANALYTICAL REPORT

Lab Number:	L2256028
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2022 SMP GW SAMPLING
Project Number:	01304
Report Date:	10/21/22

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: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2256028-01	MW-3 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 09:58	10/07/22
L2256028-02	MW-11 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 10:32	10/07/22
L2256028-03	MW-11 (100722) DUPLICATE	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 10:32	10/07/22
L2256028-04	MW-12 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 11:20	10/07/22
L2256028-05	MW-13 (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:00	10/07/22
L2256028-06	TRIP BALNK (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:30	10/07/22
L2256028-07	RINSATE BLANK (100722)	WATER	MOD-PAC-CORP. BUFFALO,NY	10/07/22 12:20	10/07/22

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Case Narrative

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

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

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

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

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

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

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

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.

Sample Receipt

L2256028-01: The collection date and time on the chain of custody was 07-OCT-22 09:48; however, the collection date/time on the container label was 07-OCT-22 09:58. At the client's request, the collection date/time is reported as 07-OCT-22 09:58.

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:  Melissa Sturgis

Title: Technical Director/Representative

Date: 10/21/22

ORGANICS

VOLATILES

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-01 D
 Client ID: MW-3 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 09:58
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/19/22 19:40
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	ND		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	0.34	J	ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	7.2		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	0.76	J	ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	6.5		ug/l	5.0	1.4	2
Trichloroethene	350		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-01 D
 Client ID: MW-3 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 09:58
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	92		ug/l	5.0	1.4	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	7.6	J	ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	6.5	J	ug/l	10	3.9	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	ND		ug/l	20	0.54	2
1,4-Dioxane	ND		ug/l	500	120	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	ND		ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	110		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-02
 Client ID: MW-11 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 10:32
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 14:53
 Analyst: MJV

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.22	J	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	7.2		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	15		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-02
Client ID: MW-11 (100722)
Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 10:32
Date Received: 10/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	13		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-03
 Client ID: MW-11 (100722) DUPLICATE
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 10:32
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 15:14
 Analyst: MJV

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.24	J	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	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.26	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	19		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-03
 Client ID: MW-11 (100722) DUPLICATE
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 10:32
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	15		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.8	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-04
 Client ID: MW-12 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 11:20
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 16:18
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-04
Client ID: MW-12 (100722)
Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 11:20
Date Received: 10/07/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-05
 Client ID: MW-13 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:00
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 15:35
 Analyst: MJV

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
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	39		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.53		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	72		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-05
 Client ID: MW-13 (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:00
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	85		ug/l	2.5	0.70	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	1.9	J	ug/l	5.0	1.9	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-06
 Client ID: TRIP BALNK (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:30
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 14:11
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-06
 Client ID: TRIP BALNK (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:30
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-07
 Client ID: RINSATE BLANK (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:20
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 10/18/22 15:56
 Analyst: MJV

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
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
Trichloroethene	0.27	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**SAMPLE RESULTS**

Lab ID: L2256028-07
 Client ID: RINSATE BLANK (100722)
 Sample Location: MOD-PAC-CORP. BUFFALO,NY

Date Collected: 10/07/22 12:20
 Date Received: 10/07/22
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.1	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2022 SMP GW SAMPLING

Lab Number: L2256028

Project Number: 01304

Report Date: 10/21/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/18/22 08:54
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/18/22 08:54
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/18/22 08:54
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1701609-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: CY2022 SMP GW SAMPLING

Lab Number: L2256028

Project Number: 01304

Report Date: 10/21/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/19/22 12:16
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2022 SMP GW SAMPLING

Lab Number: L2256028

Project Number: 01304

Report Date: 10/21/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/19/22 12:16
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/19/22 12:16
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1701952-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
Methylene chloride	85		86		70-130	1		20
1,1-Dichloroethane	87		89		70-130	2		20
Chloroform	90		90		70-130	0		20
Carbon tetrachloride	86		89		63-132	3		20
1,2-Dichloropropane	87		88		70-130	1		20
Dibromochloromethane	86		84		63-130	2		20
1,1,2-Trichloroethane	94		92		70-130	2		20
Tetrachloroethene	93		94		70-130	1		20
Chlorobenzene	89		92		75-130	3		20
Trichlorofluoromethane	86		88		62-150	2		20
1,2-Dichloroethane	91		90		70-130	1		20
1,1,1-Trichloroethane	90		90		67-130	0		20
Bromodichloromethane	82		83		67-130	1		20
trans-1,3-Dichloropropene	83		82		70-130	1		20
cis-1,3-Dichloropropene	75		76		70-130	1		20
Bromoform	79		80		54-136	1		20
1,1,2,2-Tetrachloroethane	81		80		67-130	1		20
Benzene	88		90		70-130	2		20
Toluene	89		91		70-130	2		20
Ethylbenzene	87		89		70-130	2		20
Chloromethane	86		89		64-130	3		20
Bromomethane	81		83		39-139	2		20
Vinyl chloride	84		85		55-140	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2022 SMP GW SAMPLING

Lab Number: L2256028

Project Number: 01304

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
Chloroethane	95		92		55-138	3		20
1,1-Dichloroethene	85		88		61-145	3		20
trans-1,2-Dichloroethene	84		87		70-130	4		20
Trichloroethene	91		93		70-130	2		20
1,2-Dichlorobenzene	88		88		70-130	0		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	86		88		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	75		79		36-147	5		20
Acetone	80		86		58-148	7		20
Carbon disulfide	81		84		51-130	4		20
2-Butanone	77		75		63-138	3		20
4-Methyl-2-pentanone	79		80		59-130	1		20
2-Hexanone	83		79		57-130	5		20
Bromochloromethane	85		87		70-130	2		20
1,2-Dibromoethane	88		91		70-130	3		20
1,2-Dibromo-3-chloropropane	71		74		41-144	4		20
Isopropylbenzene	85		87		70-130	2		20
1,2,3-Trichlorobenzene	85		85		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1701609-3 WG1701609-4								
1,2,4-Trichlorobenzene	81		84		70-130	4		20
Methyl Acetate	83		83		70-130	0		20
Cyclohexane	86		89		70-130	3		20
1,4-Dioxane	84		88		56-162	5		20
Freon-113	88		90		70-130	2		20
Methyl cyclohexane	84		88		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2022 SMP GW SAMPLING

Lab Number: L2256028

Project Number: 01304

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
Methylene chloride	120		110		70-130	9		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	120		110		63-132	9		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	92		90		63-130	2		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	98		92		62-150	6		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	100		99		70-130	1		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	82		82		54-136	0		20
1,1,2,2-Tetrachloroethane	91		95		67-130	4		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	140	Q	130		64-130	7		20
Bromomethane	67		71		39-139	6		20
Vinyl chloride	140		120		55-140	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
Chloroethane	86		81		55-138	6		20
1,1-Dichloroethene	110		98		61-145	12		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	95		94		70-130	1		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	93		92		63-130	1		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	120		110		36-147	9		20
Acetone	96		120		58-148	22	Q	20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	69		80		63-138	15		20
4-Methyl-2-pentanone	71		80		59-130	12		20
2-Hexanone	63		78		57-130	21	Q	20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	66		72		41-144	9		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	83		83		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1701952-3 WG1701952-4								
1,2,4-Trichlorobenzene	88		85		70-130	3		20
Methyl Acetate	91		93		70-130	2		20
Cyclohexane	130		120		70-130	8		20
1,4-Dioxane	82		84		56-162	2		20
Freon-113	120		110		70-130	9		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	112		114		70-130
Dibromofluoromethane	101		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

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): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
Methylene chloride	ND	10	8.0	80		8.9	89		70-130	11		20
1,1-Dichloroethane	ND	10	8.3	83		9.4	94		70-130	12		20
Chloroform	ND	10	8.2	82		9.4	94		70-130	14		20
Carbon tetrachloride	ND	10	8.6	86		9.6	96		63-132	11		20
1,2-Dichloropropane	ND	10	7.8	78		8.9	89		70-130	13		20
Dibromochloromethane	ND	10	8.1	81		9.3	93		63-130	14		20
1,1,2-Trichloroethane	ND	10	8.4	84		9.8	98		70-130	15		20
Tetrachloroethene	ND	10	8.6	86		9.8	98		70-130	13		20
Chlorobenzene	ND	10	8.2	82		9.6	96		75-130	16		20
Trichlorofluoromethane	ND	10	8.8	88		9.8	98		62-150	11		20
1,2-Dichloroethane	ND	10	8.6	86		9.6	96		70-130	11		20
1,1,1-Trichloroethane	ND	10	8.6	86		9.7	97		67-130	12		20
Bromodichloromethane	ND	10	7.6	76		8.7	87		67-130	13		20
trans-1,3-Dichloropropene	ND	10	7.0	70		8.3	83		70-130	17		20
cis-1,3-Dichloropropene	ND	10	5.7	57	Q	6.5	65	Q	70-130	13		20
Bromoform	ND	10	7.1	71		8.7	87		54-136	20		20
1,1,2,2-Tetrachloroethane	ND	10	7.9	79		9.3	93		67-130	16		20
Benzene	ND	10	8.2	82		9.3	93		70-130	13		20
Toluene	ND	10	8.2	82		9.3	93		70-130	13		20
Ethylbenzene	ND	10	7.9	79		9.5	95		70-130	18		20
Chloromethane	ND	10	8.3	83		9.5	95		64-130	13		20
Bromomethane	ND	10	6.8	68		8.4	84		39-139	21	Q	20
Vinyl chloride	ND	10	8.2	82		9.4	94		55-140	14		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2022 SMP GW SAMPLING

Project Number: 01304

Lab Number: L2256028

Report Date: 10/21/22

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): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
Chloroethane	ND	10	9.4	94		10	100		55-138	6		20
1,1-Dichloroethene	ND	10	8.4	84		9.6	96		61-145	13		20
trans-1,2-Dichloroethene	ND	10	8.2	82		9.2	92		70-130	11		20
Trichloroethene	ND	10	8.2	82		9.8	98		70-130	18		20
1,2-Dichlorobenzene	ND	10	7.9	79		9.5	95		70-130	18		20
1,3-Dichlorobenzene	ND	10	8.2	82		9.7	97		70-130	17		20
1,4-Dichlorobenzene	ND	10	8.0	80		9.4	94		70-130	16		20
Methyl tert butyl ether	ND	10	7.8	78		9.2	92		63-130	16		20
p/m-Xylene	ND	20	17	85		20	100		70-130	16		20
o-Xylene	ND	20	16	80		20	100		70-130	22	Q	20
cis-1,2-Dichloroethene	ND	10	7.9	79		9.0	90		70-130	13		20
Styrene	ND	20	18	90		21	105		70-130	15		20
Dichlorodifluoromethane	ND	10	7.8	78		8.8	88		36-147	12		20
Acetone	ND	10	7.3	73		11	110		58-148	40	Q	20
Carbon disulfide	ND	10	8.0	80		8.9	89		51-130	11		20
2-Butanone	ND	10	6.5	65		9.5	95		63-138	38	Q	20
4-Methyl-2-pentanone	ND	10	7.2	72		8.4	84		59-130	15		20
2-Hexanone	ND	10	7.5	75		9.3	93		57-130	21	Q	20
Bromochloromethane	ND	10	8.1	81		9.1	91		70-130	12		20
1,2-Dibromoethane	ND	10	8.2	82		9.4	94		70-130	14		20
1,2-Dibromo-3-chloropropane	ND	10	6.9	69		8.9	89		41-144	25	Q	20
Isopropylbenzene	ND	10	7.6	76		9.4	94		70-130	21	Q	20
1,2,3-Trichlorobenzene	ND	10	7.2	72		8.8	88		70-130	20		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2022 SMP GW SAMPLING**Project Number:** 01304**Lab Number:** L2256028**Report Date:** 10/21/22

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): 02-07 QC Batch ID: WG1701609-6 WG1701609-7 QC Sample: L2256028-04 Client ID: MW-12 (100722)												
1,2,4-Trichlorobenzene	ND	10	6.6	66	Q	8.3	83		70-130	23	Q	20
Methyl Acetate	ND	10	7.1	71		8.2	82		70-130	14		20
Cyclohexane	ND	10	8.4J	84		9.6J	96		70-130	13		20
1,4-Dioxane	ND	500	330	66		400	80		56-162	19		20
Freon-113	ND	10	8.2	82		9.5	95		70-130	15		20
Methyl cyclohexane	ND	10	7.4J	74		8.5J	85		70-130	14		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		101		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	99		93		70-130
Toluene-d8	94		94		70-130

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
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A	Absent
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B	Absent
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2256028-01A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-01B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-01C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-02C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-03C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04A2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04B2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C1	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-04C2	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-05C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-06A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2256028-06B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07A	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07B	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L2256028-07C	Vial HCl preserved	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2022 SMP GW SAMPLING**Lab Number:** L2256028**Project Number:** 01304**Report Date:** 10/21/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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Project Name: CY2022 SMP GW SAMPLING
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Lab Number: L2256028
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Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2022 SMP GW SAMPLING
Project Number: 01304

Lab Number: L2256028
Report Date: 10/21/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



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

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 10/8/22		ALPHA Job # L2256028				
		Project Information Project Name: CY 2022 SMP GROUNDWATER SAMPLING Project Location: MOD-PAC CORP. BUFFALO NY Project # 01304 (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQulS (1 File) <input checked="" type="checkbox"/> EQulS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO# 01304						
Client Information Client: ENV. ADVANTAGE INC Address: 3636 N BUFFALO RD ORCHARD PARK NY 14127 Phone: 716-667-3130 Fax: 716-667-3152 Email: mhanna@envadvantage.com		Project Manager: MARK HANNA + MARY SZUSTAK ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:						
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: OPEN NEW SAMPLE DELIVERY GROUP & CLOSE 10/07/2022 PLEASE ALSO EMAIL RESULTS TO mszustak@envadvantage.com Please specify Metals or TAL.						ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles		
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials			10/05/2022	
56028-01		MW-3(100722)		10/07/22 0948		GW		SK			X	
-02		MW-11(100722)		1032		GW		SK			X	
-03		MW-11(100722) DUPLICATE		1032		GW		SK			X	
-04		MW-12(100722)		1120		GW		JK			X	
-04		MW-12(100722) MS		1120		GW		SK			X	
-04		MW-12(100722) MSD		1120		GW		JK			X	
-05		MW-13(100722)		1200		GW		SK			X	
-06		TRIP BLANK (100722)		1230		WA		SK			X	
-07		RMSATE BLANK (100722)		1220		GW		JK		X		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V		Preservative B		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		
Relinquished By: [Signature] Date/Time: 10/7/22 1400		Received By: [Signature] Date/Time: 10/7/22 1400		Relinquished By: [Signature] Date/Time: 10/7/22 1500		Received By: [Signature] Date/Time: 10/8/22 0020						



ANALYTICAL REPORT

Lab Number:	L2300880
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2023 SMP GWSAMPLING
Project Number:	01304
Report Date:	01/13/23

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: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2300880-01	MW-3 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:20	01/06/23
L2300880-02	MW-11 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:44	01/06/23
L2300880-03	MW-11 (010523) DUPLICATE	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 09:44	01/06/23
L2300880-04	MW-12 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 10:38	01/06/23
L2300880-05	MW-13 (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:09	01/06/23
L2300880-06	TRIP BLANK (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:10	01/06/23
L2300880-07	RINSATE BLANK (010523)	WATER	MOD-PAC CORP, BUFFALO NY	01/05/23 11:15	01/06/23

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

Case Narrative

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

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

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

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

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

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

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

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

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 01/13/23

ORGANICS

VOLATILES

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-01
 Client ID: MW-3 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:20
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/10/23 12:07
 Analyst: MJV

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
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	0.55	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.24	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	1.5	J	ug/l	2.5	0.70	1
Trichloroethene	220	E	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-01
Client ID: MW-3 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:20
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	29		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-01 D
 Client ID: MW-3 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:20
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/11/23 09:01

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

Trichloroethene	170		ug/l	2.0	0.70	4
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-02
 Client ID: MW-11 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/10/23 12:28

Analyst: MJV

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.16	J	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	9.4		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.25	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	31		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-02
Client ID: MW-11 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	11		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-03
 Client ID: MW-11 (010523) DUPLICATE
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/10/23 10:43
 Analyst: MJV

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.20	J	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	9.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.31	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
Trichloroethene	34		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-03
 Client ID: MW-11 (010523) DUPLICATE
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 09:44
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	12		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-04
 Client ID: MW-12 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 10:38
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/10/23 13:09
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-04
 Client ID: MW-12 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 10:38
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-05
 Client ID: MW-13 (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:09
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 01/10/23 11:04
 Analyst: MJV

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
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	6.0		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	35		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-05
Client ID: MW-13 (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:09
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	40		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-06
 Client ID: TRIP BLANK (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:10
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/10/23 07:37

Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-06
 Client ID: TRIP BLANK (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:10
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-07
 Client ID: RINSATE BLANK (010523)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:15
 Date Received: 01/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 01/10/23 11:46

Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**SAMPLE RESULTS**

Lab ID: L2300880-07
Client ID: RINSATE BLANK (010523)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 01/05/23 11:15
Date Received: 01/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: CY2023 SMP GWSAMPLING

Lab Number: L2300880

Project Number: 01304

Report Date: 01/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/10/23 07:17
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2023 SMP GWSAMPLING

Lab Number: L2300880

Project Number: 01304

Report Date: 01/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 01/10/23 07:17

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 01/10/23 07:17

Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1732132-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: CY2023 SMP GWSAMPLING

Lab Number: L2300880

Project Number: 01304

Report Date: 01/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 01/11/23 08:15
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2023 SMP GWSAMPLING

Lab Number: L2300880

Project Number: 01304

Report Date: 01/13/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 01/11/23 08:15

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 01/11/23 08:15

Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1732435-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
Methylene chloride	100		98		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	99		98		63-132	1		20
1,2-Dichloropropane	95		91		70-130	4		20
Dibromochloromethane	87		88		63-130	1		20
1,1,2-Trichloroethane	95		92		70-130	3		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	99		94		75-130	5		20
Trichlorofluoromethane	98		98		62-150	0		20
1,2-Dichloroethane	99		93		70-130	6		20
1,1,1-Trichloroethane	98		98		67-130	0		20
Bromodichloromethane	89		89		67-130	0		20
trans-1,3-Dichloropropene	80		78		70-130	3		20
cis-1,3-Dichloropropene	89		87		70-130	2		20
Bromoform	86		86		54-136	0		20
1,1,2,2-Tetrachloroethane	89		94		67-130	5		20
Benzene	96		95		70-130	1		20
Toluene	98		93		70-130	5		20
Ethylbenzene	99		98		70-130	1		20
Chloromethane	88		81		64-130	8		20
Bromomethane	81		77		39-139	5		20
Vinyl chloride	96		89		55-140	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
Chloroethane	97		93		55-138	4		20
1,1-Dichloroethene	98		93		61-145	5		20
trans-1,2-Dichloroethene	94		96		70-130	2		20
Trichloroethene	98		92		70-130	6		20
1,2-Dichlorobenzene	95		95		70-130	0		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	94		95		70-130	1		20
Methyl tert butyl ether	91		89		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	95		96		70-130	1		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	89		83		36-147	7		20
Acetone	86		97		58-148	12		20
Carbon disulfide	94		90		51-130	4		20
2-Butanone	60	Q	73		63-138	20		20
4-Methyl-2-pentanone	84		89		59-130	6		20
2-Hexanone	82		86		57-130	5		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	88		90		70-130	2		20
1,2-Dibromo-3-chloropropane	78		87		41-144	11		20
Isopropylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	91		95		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1732132-3 WG1732132-4								
1,2,4-Trichlorobenzene	94		95		70-130	1		20
Methyl Acetate	89		89		70-130	0		20
Cyclohexane	94		91		70-130	3		20
1,4-Dioxane	84		96		56-162	13		20
Freon-113	100		99		70-130	1		20
Methyl cyclohexane	95		94		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	101		104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1732435-3 WG1732435-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	95		93		70-130	2		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	98		97		63-132	1		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	90		92		63-130	2		20
1,1,2-Trichloroethane	89		93		70-130	4		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		99		75-130	0		20
Trichlorofluoromethane	91		89		62-150	2		20
1,2-Dichloroethane	95		97		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	87		89		70-130	2		20
Bromoform	82		87		54-136	6		20
1,1,2,2-Tetrachloroethane	87		93		67-130	7		20
Benzene	95		95		70-130	0		20
Toluene	97		97		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	98		97		64-130	1		20
Bromomethane	52		52		39-139	0		20
Vinyl chloride	88		87		55-140	1		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1732435-3 WG1732435-4								
Chloroethane	93		92		55-138	1		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	93		90		70-130	3		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	86		90		63-130	5		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	97		96		58-148	1		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	94		100		63-138	6		20
4-Methyl-2-pentanone	75		82		59-130	9		20
2-Hexanone	86		98		57-130	13		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	71		80		41-144	12		20
Isopropylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	77		87		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1732435-3 WG1732435-4								
1,2,4-Trichlorobenzene	88		94		70-130	7		20
Methyl Acetate	90		94		70-130	4		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	112		114		56-162	2		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		103		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	98		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	12	120		11	110		70-130	9		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	11	110		11	110		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	8.7	87		9.0	90		63-130	3		20
1,1,2-Trichloroethane	ND	10	9.7	97		10	100		70-130	3		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	12	120		11	110		62-150	9		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	9.8	98		9.6	96		67-130	2		20
trans-1,3-Dichloropropene	ND	10	7.8	78		8.0	80		70-130	3		20
cis-1,3-Dichloropropene	ND	10	8.7	87		8.9	89		70-130	2		20
Bromoform	ND	10	8.2	82		8.3	83		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	10	100		9.6	96		67-130	4		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	10	100		11	110		70-130	10		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	9.5	95		9.7	97		64-130	2		20
Bromomethane	ND	10	6.5	65		6.7	67		39-139	3		20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 SMP GWSAMPLING

Project Number: 01304

Lab Number: L2300880

Report Date: 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
Chloroethane	ND	10	12	120		12	120		55-138	0		20
1,1-Dichloroethene	ND	10	11	110		12	120		61-145	9		20
trans-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Trichloroethene	ND	10	10	100		11	110		70-130	10		20
1,2-Dichlorobenzene	ND	10	11	110		10	100		70-130	10		20
1,3-Dichlorobenzene	ND	10	11	110		10	100		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.0	90		9.0	90		63-130	0		20
p/m-Xylene	ND	20	22	110		22	110		70-130	0		20
o-Xylene	ND	20	22	110		22	110		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Styrene	ND	20	22	110		22	110		70-130	0		20
Dichlorodifluoromethane	ND	10	11	110		10	100		36-147	10		20
Acetone	ND	10	9.6	96		10	100		58-148	4		20
Carbon disulfide	ND	10	12	120		11	110		51-130	9		20
2-Butanone	ND	10	7.0	70		8.3	83		63-138	17		20
4-Methyl-2-pentanone	ND	10	8.1	81		8.4	84		59-130	4		20
2-Hexanone	ND	10	8.0	80		7.7	77		57-130	4		20
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
1,2-Dibromoethane	ND	10	9.4	94		9.9	99		70-130	5		20
1,2-Dibromo-3-chloropropane	ND	10	8.4	84		8.1	81		41-144	4		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		9.8	98		70-130	2		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2023 SMP GWSAMPLING**Project Number:** 01304**Lab Number:** L2300880**Report Date:** 01/13/23

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): 01-07 QC Batch ID: WG1732132-6 WG1732132-7 QC Sample: L2300880-04 Client ID: MW-12 (010523)												
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl Acetate	ND	10	8.3	83		8.8	88		70-130	6		20
Cyclohexane	ND	10	11	110		10	100		70-130	10		20
1,4-Dioxane	ND	500	480	96		450	90		56-162	6		20
Freon-113	ND	10	12	120		11	110		70-130	9		20
Methyl cyclohexane	ND	10	10	100		10	100		70-130	0		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	101		103		70-130
Toluene-d8	95		98		70-130

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2300880-01A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-01B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-01C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-02C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-03C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04A2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04B2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C1	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-04C2	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-05C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-06A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Serial_No:01132310:39
Lab Number: L2300880
Report Date: 01/13/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2300880-06B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07A	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07B	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2300880-07C	Vial HCl preserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)

Container Comments

L2300880-04A2 received empty

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**Footnotes**

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2023 SMP GWSAMPLING**Lab Number:** L2300880**Project Number:** 01304**Report Date:** 01/13/23**Data Qualifiers**

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

Report Format: DU Report with 'J' Qualifiers

Project Name: CY2023 SMP GWSAMPLING
Project Number: 01304

Lab Number: L2300880
Report Date: 01/13/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



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

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B


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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.****EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab <u>1/7/23</u>		ALPHA Job # <u>L2300880</u>																																																																																																																																																																																																									
		Project Information Project Name: <u>CY2023 SMP GROUNDWATER SAMPLING</u> Project Location: <u>MOD-PAC CORP, BUFFALO NY</u> Project # <u>01304</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input checked="" type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO # <u>01304</u>																																																																																																																																																																																																											
Client Information Client: <u>ENV. ADVANTAGE INC</u> Address: <u>3636 N BUFFALO RD</u> <u>ORCHARD PARK NY 14127</u> Phone: <u>(716) 663-3130</u> Fax: Email: <u>m.hanna@envadvantage.com</u>		Project Manager: <u>MARIK HANNA + MARY SZUSTAK</u> ALPHAQuote #: Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:																																																																																																																																																																																																											
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: <u>OPEN NEW SAMPLE DELIVERY GROUP & CLOSE 01/05/2023</u> <u>PLEASE ALSO EMAIL RESULTS TO MSZUSTAK</u> Please specify Metals or TAL.						ANALYSIS		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below)		Total Bottles																																																																																																																																																																																																							
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Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle Westboro: Certification No: MA935 Mansfield: Certification No: MA015						Container Type <u>V</u> Preservative <u>B</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. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																																																																									
Relinquished By: <u>[Signature]</u> Date/Time: <u>01/06/2023 13:00</u> <u>1/6 15P</u>						Received By: <u>[Signature]</u> Date/Time: <u>1/6/23 1300</u> <u>1/7/23 0000</u>																																																																																																																																																																																																											



ANALYTICAL REPORT

Lab Number:	L2318220
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY2023 APRIL GW SAMPLING
Project Number:	01304
Report Date:	04/12/23

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: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2318220-01	MW-3 (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 09:06	04/06/23
L2318220-02	MW-11 (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 09:45	04/06/23
L2318220-03	MW-11 (040623) DUPLICATE	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 09:45	04/06/23
L2318220-04	MW-12 (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 10:57	04/06/23
L2318220-05	MW-13 (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 11:35	04/06/23
L2318220-06	RINSATE BLANK (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 13:00	04/06/23
L2318220-07	TRIP BLANK (040623)	WATER	MOD-PAC CORP, BUFFALO NY	04/06/23 13:00	04/06/23

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

Case Narrative

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

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

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

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

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

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

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

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.

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:



Ashaley Moynihan

Title: Technical Director/Representative

Date: 04/12/23

ORGANICS

VOLATILES

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-01
 Client ID: MW-3 (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:06
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 03:14
 Analyst: MJV

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
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	0.41	J	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	0.92	J	ug/l	2.5	0.70	1
Trichloroethene	120		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-01
Client ID: MW-3 (040623)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:06
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	17		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	113		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-02
 Client ID: MW-11 (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:45
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 02:49
 Analyst: MJV

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
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	10		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.39	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	16		ug/l	2.5	0.70	1
Trichloroethene	19		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-02
Client ID: MW-11 (040623)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:45
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	117		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-03
 Client ID: MW-11 (040623) DUPLICATE
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:45
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 02:24
 Analyst: MJV

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
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	11		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.40	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	17		ug/l	2.5	0.70	1
Trichloroethene	18		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-03
Client ID: MW-11 (040623) DUPLICATE
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 09:45
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	10		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	117		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-04
 Client ID: MW-12 (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 10:57
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 01:58
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-04
Client ID: MW-12 (040623)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 10:57
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	118		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-05
 Client ID: MW-13 (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 11:35
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260D

Analytical Date: 04/12/23 01:33

Analyst: MJV

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
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	15		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.22	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	32		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-05
Client ID: MW-13 (040623)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 11:35
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	42		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	113		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-06
 Client ID: RINSATE BLANK (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 13:00
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 01:08
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-06
 Client ID: RINSATE BLANK (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 13:00
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	116		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-07
 Client ID: TRIP BLANK (040623)
 Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 13:00
 Date Received: 04/06/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 04/12/23 00:43
 Analyst: MJV

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
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
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**SAMPLE RESULTS**

Lab ID: L2318220-07
Client ID: TRIP BLANK (040623)
Sample Location: MOD-PAC CORP, BUFFALO NY

Date Collected: 04/06/23 13:00
Date Received: 04/06/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	116		70-130

Project Name: CY2023 APRIL GW SAMPLING

Lab Number: L2318220

Project Number: 01304

Report Date: 04/12/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/11/23 21:20
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1765623-5					
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
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
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: CY2023 APRIL GW SAMPLING

Lab Number: L2318220

Project Number: 01304

Report Date: 04/12/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 04/11/23 21:20
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1765623-5					
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
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260D

Analytical Date: 04/11/23 21:20

Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1765623-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY2023 APRIL GW SAMPLING

Project Number: 01304

Lab Number: L2318220

Report Date: 04/12/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1765623-3 WG1765623-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	95		99		70-130	4		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	85		86		70-130	1		20
Tetrachloroethene	99		96		70-130	3		20
Chlorobenzene	93		93		75-130	0		20
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		99		67-130	4		20
trans-1,3-Dichloropropene	83		83		70-130	0		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
Bromoform	78		78		54-136	0		20
1,1,2,2-Tetrachloroethane	80		82		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	89		87		70-130	2		20
Ethylbenzene	88		88		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	84		89		39-139	6		20
Vinyl chloride	88		91		55-140	3		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2023 APRIL GW SAMPLING

Project Number: 01304

Lab Number: L2318220

Report Date: 04/12/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1765623-3 WG1765623-4								
Chloroethane	84		88		55-138	5		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	98		100		70-130	2		20
Trichloroethene	95		94		70-130	1		20
1,2-Dichlorobenzene	90		91		70-130	1		20
1,3-Dichlorobenzene	92		92		70-130	0		20
1,4-Dichlorobenzene	92		91		70-130	1		20
Methyl tert butyl ether	95		100		63-130	5		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	84		86		36-147	2		20
Acetone	120		130		58-148	8		20
Carbon disulfide	97		99		51-130	2		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	87		96		59-130	10		20
2-Hexanone	87		94		57-130	8		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	80		88		41-144	10		20
Isopropylbenzene	89		88		70-130	1		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY2023 APRIL GW SAMPLING

Project Number: 01304

Lab Number: L2318220

Report Date: 04/12/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1765623-3 WG1765623-4								
1,2,4-Trichlorobenzene	99		98		70-130	1		20
Methyl Acetate	110		120		70-130	9		20
Cyclohexane	110		120		70-130	9		20
1,4-Dioxane	78		84		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	98		98		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	95		93		70-130
Dibromofluoromethane	105		109		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 APRIL GW SAMPLING

Project Number: 01304

Lab Number: L2318220

Report Date: 04/12/23

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): 01-07 QC Batch ID: WG1765623-6 WG1765623-7 QC Sample: L2318220-04 Client ID: MW-12 (040623)												
Methylene chloride	ND	10	12	120		11	110		70-130	9		20
1,1-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	14	140	Q	14	140	Q	63-132	0		20
1,2-Dichloropropane	ND	10	12	120		12	120		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	9.6	96		9.6	96		70-130	0		20
Tetrachloroethene	ND	10	12	120		12	120		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	12	120		12	120		70-130	0		20
1,1,1-Trichloroethane	ND	10	13	130		12	120		67-130	8		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	8.8	88		8.8	88		70-130	0		20
cis-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	8.5	85		8.7	87		54-136	2		20
1,1,2,2-Tetrachloroethane	ND	10	9.1	91		9.0	90		67-130	1		20
Benzene	ND	10	12	120		12	120		70-130	0		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	13	130		13	130		64-130	0		20
Bromomethane	ND	10	9.4	94		10	100		39-139	6		20
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CY2023 APRIL GW SAMPLING

Project Number: 01304

Lab Number: L2318220

Report Date: 04/12/23

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): 01-07 QC Batch ID: WG1765623-6 WG1765623-7 QC Sample: L2318220-04 Client ID: MW-12 (040623)												
Chloroethane	ND	10	10	100		10	100		55-138	0		20
1,1-Dichloroethene	ND	10	13	130		13	130		61-145	0		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	11	110		11	110		70-130	0		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	10	100		11	110		70-130	10		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	11	110		12	120		63-130	9		20
p/m-Xylene	ND	20	21	105		22	110		70-130	5		20
o-Xylene	ND	20	21	105		21	105		70-130	0		20
cis-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Styrene	ND	20	20	100		20	100		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	ND	10	13	130		14	140		58-148	7		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	11	110		12	120		63-138	9		20
4-Methyl-2-pentanone	ND	10	10	100		10	100		59-130	0		20
2-Hexanone	ND	10	9.6	96		9.4	94		57-130	2		20
Bromochloromethane	ND	10	13	130		13	130		70-130	0		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.6	96		9.9	99		41-144	3		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichlorobenzene	ND	10	11	110		11	110		70-130	0		20

Matrix Spike Analysis**Batch Quality Control****Project Name:** CY2023 APRIL GW SAMPLING**Project Number:** 01304**Lab Number:** L2318220**Report Date:** 04/12/23

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): 01-07 QC Batch ID: WG1765623-6 WG1765623-7 QC Sample: L2318220-04 Client ID: MW-12 (040623)												
1,2,4-Trichlorobenzene	ND	10	11	110		11	110		70-130	0		20
Methyl Acetate	ND	10	12	120		12	120		70-130	0		20
Cyclohexane	ND	10	14	140	Q	14	140	Q	70-130	0		20
1,4-Dioxane	ND	500	570	114		600	120		56-162	5		20
Freon-113	ND	10	13	130		13	130		70-130	0		20
Methyl cyclohexane	ND	10	12	120		11	110		70-130	9		20

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	110		109		70-130
Toluene-d8	93		92		70-130

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23**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(*)
L2318220-01A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-01B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-01C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-02A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-02B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-02C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-03A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-03B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-03C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04A1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04A2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04B1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04B2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04C1	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-04C2	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-05A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-05B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-05C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-06A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-06B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Serial_No:04122315:32
Lab Number: L2318220
Report Date: 04/12/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2318220-06C	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-07A	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2318220-07B	Vial HCl preserved	A	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

Project Name: CY2023 APRIL GW SAMPLING**Lab Number:** L2318220**Project Number:** 01304**Report Date:** 04/12/23

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



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

Revision 19

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Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.****EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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



ANALYTICAL REPORT

Lab Number:	L2313097
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	CY23 INDOOR AIR SAMPLING
Project Number:	01304
Report Date:	03/22/23

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: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2313097-01	IA-1 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:10	03/09/23
L2313097-02	IA-2 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:15	03/09/23
L2313097-03	IA-3 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:20	03/09/23
L2313097-04	IA-3 (030823)DUP	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:20	03/09/23
L2313097-05	OA-1 (030823)	AIR	1801 ELMWOOD AVE, BUFFALO NY	03/08/23 16:00	03/09/23

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Case Narrative

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

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

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

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

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

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

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 3, 2023. The canister certification results are provided as an addendum.

L2313097-01 and -02: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1757190-3 LCS recovery for dibromochloromethane (131%) and bromoform (142%) 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: 03/22/23

AIR

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-01
 Client ID: IA-1 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/23 23:15
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--		1
Chloromethane	0.581	0.200	--	1.20	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	122	5.00	--	230	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	208	1.00	--	494	2.38	--		1
Trichlorofluoromethane	0.417	0.200	--	2.34	1.12	--		1
Isopropanol	641	0.500	--	1580	1.23	--	E	1
Tertiary butyl Alcohol	17.6	0.500	--	53.4	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	0.976	0.500	--	2.88	1.47	--		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



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-01

Client ID: IA-1 (030823)

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10

Date Received: 03/09/23

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-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	13.7	0.200	--	48.3	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.308	0.200	--	1.06	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
2,2,4-Trimethylpentane	2.40	0.200	--	11.2	0.934	--		1
Heptane	11.2	0.200	--	45.9	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	5.44	0.200	--	20.5	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.99	0.200	--	8.64	0.869	--		1
p/m-Xylene	6.95	0.400	--	30.2	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.48	0.200	--	6.30	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.84	0.200	--	7.99	0.869	--		1
4-Ethyltoluene	0.312	0.200	--	1.53	0.983	--		1
1,3,5-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-01

Date Collected: 03/08/23 16:10

Client ID: IA-1 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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								
1,2,4-Trimethylbenzene	1.35	0.200	--	6.64	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	95		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-01
 Client ID: IA-1 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/21/23 23:15
 Analyst: TJS

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
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.027	0.020	--	0.147	0.109	--		1
Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--		1
Trichloroethene	0.176	0.020	--	0.946	0.107	--		1
Tetrachloroethene	0.198	0.020	--	1.34	0.136	--		1

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



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-01 D
 Client ID: IA-1 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:10
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/22/23 06:44

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	630	5.00	--	1550	12.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	90		60-140

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-02
 Client ID: IA-2 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/21/23 23:53
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.522	0.200	--	2.58	0.989	--		1
Chloromethane	0.570	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	122	5.00	--	230	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	206	1.00	--	489	2.38	--		1
Trichlorofluoromethane	0.415	0.200	--	2.33	1.12	--		1
Isopropanol	617	0.500	--	1520	1.23	--	E	1
Tertiary butyl Alcohol	16.6	0.500	--	50.3	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	0.885	0.500	--	2.61	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.544	0.500	--	1.60	1.47	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-02

Date Collected: 03/08/23 16:15

Client ID: IA-2 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	14.1	0.200	--	49.7	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	0.323	0.200	--	1.11	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
2,2,4-Trimethylpentane	2.43	0.200	--	11.3	0.934	--		1
Heptane	10.9	0.200	--	44.7	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	5.52	0.200	--	20.8	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.99	0.200	--	8.64	0.869	--		1
p/m-Xylene	6.92	0.400	--	30.1	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	1.36	0.200	--	5.79	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	1.82	0.200	--	7.91	0.869	--		1
4-Ethyltoluene	0.365	0.200	--	1.79	0.983	--		1
1,3,5-Trimethylbenzene	0.446	0.200	--	2.19	0.983	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-02

Date Collected: 03/08/23 16:15

Client ID: IA-2 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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								
1,2,4-Trimethylbenzene	1.31	0.200	--	6.44	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	90		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	92		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-02
 Client ID: IA-2 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/21/23 23:53
 Analyst: TJS

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
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	0.022	0.020	--	0.120	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	0.181	0.020	--	0.973	0.107	--		1
Tetrachloroethene	0.195	0.020	--	1.32	0.136	--		1

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



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-02 D

Client ID: IA-2 (030823)

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:15

Date Received: 03/09/23

Field Prep: Not Specified

Sample Depth:

Matrix: Air

Analytical Method: 48,TO-15

Analytical Date: 03/22/23 07:19

Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Isopropanol	606	5.00	--	1490	12.3	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-03
 Client ID: IA-3 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/23 00:32
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--		1
Chloromethane	0.780	0.200	--	1.61	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	12.6	5.00	--	23.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	46.4	1.00	--	110	2.38	--		1
Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--		1
Isopropanol	26.2	0.500	--	64.4	1.23	--		1
Tertiary butyl Alcohol	0.940	0.500	--	2.85	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.207	0.200	--	0.645	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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.367	0.200	--	1.79	0.977	--		1
Tetrahydrofuran	0.709	0.500	--	2.09	1.47	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-03

Date Collected: 03/08/23 16:20

Client ID: IA-3 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.796	0.200	--	2.81	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.44	0.200	--	10.0	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.667	0.500	--	2.73	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.656	0.200	--	2.47	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.967	0.200	--	4.20	0.869	--		1
p/m-Xylene	3.92	0.400	--	17.0	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	1.28	0.200	--	5.56	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-03

Date Collected: 03/08/23 16:20

Client ID: IA-3 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	84		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-03
 Client ID: IA-3 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/23 00:32
 Analyst: TJS

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
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.070	0.020	--	0.475	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-04
 Client ID: IA-3 (030823)DUP
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/23 01:10
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--		1
Chloromethane	0.787	0.200	--	1.63	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	12.1	5.00	--	22.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	48.4	1.00	--	115	2.38	--		1
Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--		1
Isopropanol	26.3	0.500	--	64.6	1.23	--		1
Tertiary butyl Alcohol	0.885	0.500	--	2.68	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.209	0.200	--	0.651	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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.385	0.200	--	1.88	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-04

Date Collected: 03/08/23 16:20

Client ID: IA-3 (030823)DUP

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.789	0.200	--	2.78	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	2.60	0.200	--	10.7	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.752	0.500	--	3.08	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.618	0.200	--	2.33	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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.992	0.200	--	4.31	0.869	--		1
p/m-Xylene	4.11	0.400	--	17.9	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	1.35	0.200	--	5.86	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-04

Date Collected: 03/08/23 16:20

Client ID: IA-3 (030823)DUP

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-04
 Client ID: IA-3 (030823)DUP
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:20
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/23 01:10
 Analyst: TJS

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
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.069	0.020	--	0.468	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	91		60-140
chlorobenzene-d5	89		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-05
 Client ID: OA-1 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/22/23 02:27
 Analyst: TJS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--		1
Chloromethane	0.541	0.200	--	1.12	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		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	3.23	1.00	--	7.67	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	4.40	0.500	--	10.8	1.23	--		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
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



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-05

Client ID: OA-1 (030823)

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00

Date Received: 03/09/23

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-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		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
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
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
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-05

Date Collected: 03/08/23 16:00

Client ID: OA-1 (030823)

Date Received: 03/09/23

Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

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								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	88		60-140



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**SAMPLE RESULTS**

Lab ID: L2313097-05
 Client ID: OA-1 (030823)
 Sample Location: 1801 ELMWOOD AVE, BUFFALO NY

Date Collected: 03/08/23 16:00
 Date Received: 03/09/23
 Field Prep: Not Specified

Sample Depth:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/22/23 02:27
 Analyst: TJS

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
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.120	0.020	--	0.814	0.136	--		1

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



Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/23 16:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
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: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/23 16:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
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: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/21/23 16:03

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1757190-4								
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: CY23 INDOOR AIR SAMPLING

Lab Number: L2313097

Project Number: 01304

Report Date: 03/22/23

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/21/23 16:42

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1757192-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		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: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	91		-		70-130	-		
Freon-114	95		-		70-130	-		
Vinyl chloride	90		-		70-130	-		
1,3-Butadiene	89		-		70-130	-		
Bromomethane	96		-		70-130	-		
Chloroethane	88		-		70-130	-		
Ethanol	78		-		40-160	-		
Vinyl bromide	100		-		70-130	-		
Acetone	100		-		40-160	-		
Trichlorofluoromethane	106		-		70-130	-		
Isopropanol	89		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	95		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
Freon-113	105		-		70-130	-		
trans-1,2-Dichloroethene	98		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		
2-Butanone	98		-		70-130	-		
cis-1,2-Dichloroethene	102		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Ethyl Acetate	104		-		70-130	-		
Chloroform	103		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
1,2-Dichloroethane	102		-		70-130	-		
n-Hexane	96		-		70-130	-		
1,1,1-Trichloroethane	114		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	122		-		70-130	-		
Cyclohexane	96		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	114		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	98		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	94		-		70-130	-		
2-Hexanone	98		-		70-130	-		
Dibromochloromethane	131	Q	-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757190-3								
Tetrachloroethene	102		-		70-130	-		
Chlorobenzene	94		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	142	Q	-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	99		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	96		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Benzyl chloride	103		-		70-130	-		
1,3-Dichlorobenzene	98		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
1,2-Dichlorobenzene	98		-		70-130	-		
1,2,4-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	100		-		70-130	-		

Lab Control Sample Analysis **Batch Quality Control**

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1757192-3								
Vinyl chloride	89		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
cis-1,2-Dichloroethene	98		-		70-130	-		25
1,1,1-Trichloroethane	113		-		70-130	-		25
Carbon tetrachloride	122		-		70-130	-		25
Trichloroethene	101		-		70-130	-		25
Tetrachloroethene	98		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
Dichlorodifluoromethane	0.519	0.510	ppbV	2		25
Chloromethane	0.787	0.792	ppbV	1		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	12.1	12.2	ppbV	1		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	48.4	48.0	ppbV	1		25
Trichlorofluoromethane	0.238	0.235	ppbV	1		25
Isopropanol	26.3	26.2	ppbV	0		25
Tertiary butyl Alcohol	0.885	0.905	ppbV	2		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	0.209	0.214	ppbV	2		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: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2313097
Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
Chloroform	0.385	0.384	ppbV	0		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	0.789	0.774	ppbV	2		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	2.60	2.62	ppbV	1		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	0.752	0.767	ppbV	2		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.618	0.643	ppbV	4		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	0.992	1.03	ppbV	4		25

Lab Duplicate Analysis Batch Quality Control

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Number: L2313097

Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757190-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
p/m-Xylene	4.11	4.28	ppbV	4		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	1.35	1.39	ppbV	3		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Project Name: CY23 INDOOR AIR SAMPLING

Project Number: 01304

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L2313097

Report Date: 03/22/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1757192-5 QC Sample: L2313097-04 Client ID: IA-3 (030823)DUP						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.086	0.095	ppbV	10		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.069	0.071	ppbV	3		25

Project Name: CY23 INDOOR AIR SAMPLING

Serial_No:03222315:54
Lab Number: L2313097

Project Number: 01304

Report Date: 03/22/23

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2313097-01	IA-1 (030823)	0774	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.2	7
L2313097-01	IA-1 (030823)	2081	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.6	-4.7	-	-	-	-
L2313097-02	IA-2 (030823)	01465	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.4	2
L2313097-02	IA-2 (030823)	3405	2.7L Can	03/03/23	415120	L2310165-01	Pass	-29.9	-4.9	-	-	-	-
L2313097-03	IA-3 (030823)	01659	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.3	5
L2313097-03	IA-3 (030823)	2856	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.3	-8.0	-	-	-	-
L2313097-04	IA-3 (030823)DUP	01247	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.5	0
L2313097-04	IA-3 (030823)DUP	2577	2.7L Can	03/03/23	415120	L2308009-01	Pass	-29.8	-6.4	-	-	-	-
L2313097-05	OA-1 (030823)	02076	Flow 5	03/03/23	415120		-	-	-	Pass	4.5	4.5	0
L2313097-05	OA-1 (030823)	174	2.7L Can	03/03/23	415120	L2310165-01	Pass	-30.0	-5.1	-	-	-	-

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

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/15/23 20:43
Analyst: RAY

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: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
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: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
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: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
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:** L2308009**Project Number:** CANISTER QC BAT**Report Date:** 03/22/23**Air Canister Certification Results**

Lab ID: L2308009-01

Date Collected: 02/14/23 18:00

Client ID: CAN 2041 SHELF 22

Date Received: 02/15/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	107		60-140
chlorobenzene-d5	103		60-140

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

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/15/23 20:43
Analyst: RAY

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



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

Lab Number: L2308009
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2308009-01
Client ID: CAN 2041 SHELF 22
Sample Location:

Date Collected: 02/14/23 18:00
Date Received: 02/15/23
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2308009**Project Number:** CANISTER QC BAT**Report Date:** 03/22/23**Air Canister Certification Results**

Lab ID: L2308009-01

Date Collected: 02/14/23 18:00

Client ID: CAN 2041 SHELF 22

Date Received: 02/15/23

Sample Location:

Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	108		60-140
chlorobenzene-d5	103		60-140



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

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 02/26/23 17:37
Analyst: TJS

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: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
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: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

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



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

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
 Client ID: CAN 206 SHELF 7
 Sample Location:

Date Collected: 02/24/23 22:00
 Date Received: 02/25/23
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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

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

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 02/26/23 17:37
Analyst: TJS

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



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

Lab Number: L2310165
Report Date: 03/22/23

Air Canister Certification Results

Lab ID: L2310165-01
Client ID: CAN 206 SHELF 7
Sample Location:

Date Collected: 02/24/23 22:00
Date Received: 02/25/23
Field Prep: Not Specified

Sample Depth:

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L2310165**Project Number:** CANISTER QC BAT**Report Date:** 03/22/23**Air Canister Certification Results****Lab ID:** L2310165-01**Date Collected:** 02/24/23 22:00**Client ID:** CAN 206 SHELF 7**Date Received:** 02/25/23**Sample Location:****Field Prep:** Not Specified**Sample Depth:**

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	98		60-140

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**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(*)
L2313097-01A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-02A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2313097-03A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-04A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2313097-05A	Canister - 2.7 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name: CY23 INDOOR AIR SAMPLING**Lab Number:** L2313097**Project Number:** 01304**Report Date:** 03/22/23**Footnotes**

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Data Qualifiers

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

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

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 19

Published Date: 4/2/2021 1:14:23 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, Naphthalene**EPA 625/625.1:** alpha-Terpineol**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522, EPA 537.1.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

Received By:	Date/Time:
<i>[Signature]</i> 1/17/23	3/5/23 1115
<i>[Signature]</i> 1/17/23	3/10/23 0040
<i>[Signature]</i> 1/17/23	3/10/23 0505
<i>[Signature]</i> 1/17/23	3/10/23 0615



ANALYTICAL REPORT

Lab Number:	L2269433
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC SPENT CARBON WASTE CHAR
Project Number:	01304
Report Date:	12/22/22

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: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2269433-01	WC-001	SOLID	1801 ELMWOOD AVE	12/09/22 13:22	12/09/22

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Case Narrative

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

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

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

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

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

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

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

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.

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: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/22/22

ORGANICS

VOLATILES

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

SAMPLE RESULTS

Lab ID: L2269433-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 12/09/22 13:22
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8260D
Analytical Date: 12/21/22 20:36
Analyst: MCM

TCLP/SPLP Ext. Date: 12/20/22 11:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	8.4		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	17		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	109		70-130

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/21/22 15:42
 Analyst: MCM
 TCLP/SPLP Extraction Date: 12/20/22 11:12

Extraction Date: 12/20/22 11:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1726456-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC SPENT CARBON WASTE CHAR

Lab Number: L2269433

Project Number: 01304

Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1726456-3 WG1726456-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	95		96		70-130	1		20
Benzene	110		110		70-130	0		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
2-Butanone	84		90		63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		97		70-130
dibromofluoromethane	99		101		70-130

Project Name: MPC SPENT CARBON WASTE CHAR**Lab Number:** L2269433**Project Number:** 01304**Report Date:** 12/22/22**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(*)
L2269433-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		TCLP-EXT-ZHE(14)
L2269433-01X	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Y	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Z	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

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

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

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

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water


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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page [of]		Date Rec'd in Lab 12/10/22		ALPHA Job # L2269433	
		Project Information Project Name: <u>MPC SPENT CARBON WASTE CHARACTERIZATION</u> Project Location: <u>1801 ELMWOOD AVE</u> Project # <u>01304</u> (Use Project name as Project #) <input type="checkbox"/>		Deliverables <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client Info PO #			
Client Information Client: <u>ENV ADVANTAGE INC</u> Address: <u>3636 N BUFFALO RD</u> <u>ORCHARD PARK NY 14127</u> Phone: <u>(716) 667-3130</u> Fax: _____ Email: <u>mhanna@envadvantage.com</u>		Project Manager: ALPHAGrade #: _____ Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input type="checkbox"/> # of Days: _____		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____			
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: <u>EMAIL RESULTS TO: mszusk@envadvantage.com</u> <u>jkryszak@envadvantage.com</u> Please specify Metals or TAL.		ANALYSIS TELP VOC		Sample Filtration <input type="checkbox"/> Done <input type="checkbox"/> Lab to do Preservation <input type="checkbox"/> Lab to do (Please Specify below) Sample Specific Comments		Total Bottles			
ALPHA Lab ID (Lab Use Only) 169433-01		Sample ID WC-001		Collection Date: 12/9/22 Time: 13:22		Sample Matrix SOLID		Sampler's Initials SK	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type A		Preservative A	
Relinquished By: <u>[Signature]</u>		Date/Time 12/09/22 14:14 12/09/22 14:14		Received By: <u>[Signature]</u>		Date/Time 12/09/22 @ 14:14 12/10/22 00:30		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	

APPENDIX E
ANNUAL SITE INSPECTION FORM
FIELD NOTES

MOD-PAC Corporation Site
1801 Elmwood Avenue, Buffalo, New York

Inspector's Name: Jason Kryszak

Weather Conditions: Sunny

Inspection Date: 03/08/2023

Temperature (°F): 31°F

Inspection Time: 0930

Comments:

Cover System Inspection was completed same day as Air Sampling event in area A, B, and outdoors.

Pre Inspection Checklist

- Review previous annual inspections
- Meet with the site representative to solicit comments/concerns regarding the inspection.

Comments: None

Cover System - Floor Inspection

1. Walk all freely accessible floors

- Any visible cracks or settlement in the ground floors?
- Any other visible openings (unintended) in the ground floors?
- Draw approximate location of floor cracks/openings on site map.
- Note the length of the crack/opening.

Comments:

No new apparent cracks were observed at the time of the cover inspection. MPC personnel applied an epoxy coating to floor cracks in Area B prior to Air Sampling event. They appeared to be fully sealed and working.

Cover System - Exterior Inspection

1. Walk and inspect the entire perimeter of the Site.

2. Walk and inspect all of the paved areas (concrete and asphalt) of the Site.

- Are there any signs of significant cracks, settlement or deterioration of the paved areas?
- Has any of the pavement material been removed?
- Have any structures been constructed on the unpaved areas?
- Are there any signs of soil washing or erosion (gullies, soil washed out onto the pavement)?
- Are there any signs of intrusive activities (drilling, digging, trenching, grading,

Comments:

All paved areas were free of any significant cracks, settlement, and deterioration. there was no evidence of any erosion or intrusive activities.

Repair

Summarize needed/completed repairs to the Engineering Controls:

EW-1C and EW-2C fans are currently down and the process to replace the fans is ongoing at the time of the cover Inspection.

Inspector's Signature: _____



Annual Cover Inspection Photo Page - Mod-Pac Corp.

	
<p>1. 03/08/2023: View of the parking lot between Area A and Area C.</p>	<p>2. 03/08/2023: View of parking lot south of the Krepe Kraft entrance adjacent to lift gate.</p>
	
<p>3. 03/08/2023: Similar to the previous photo looking west.</p>	<p>4. 03/08/2023: Same as previous photo looking east adjacent to the turf fields.</p>
	
<p>5. 03/08/2023: Similar to the previous photo.</p>	<p>6. 03/08/2023: View of the road/parking lot north of the turf athletic fields.</p>

Annual Cover Inspection Photo Page - Mod-Pac Corp.

	
<p>7. 03/08/2023: View parking lot near the monitoring well locations.</p>	<p>8. 03/08/2023: View of the employee parking lot area north of the MPC facility.</p>
	
<p>9. 03/08/2023: Similar to the previous photo further west.</p>	<p>10. 03/08/2023: View of the employee parking lot west of the main entrance to the facility.</p>
	
<p>11. 03/08/2023: Similar to the previous photo looking west.</p>	<p>12. 03/08/2023: Similar to the previous photo adjacent to the main entrance of the facility.</p>

Annual Cover Inspection Photo Page - Mod-Pac Corp.



13. 03/08/2023: View of the northwest employee parking lot near Mandan Street.



14. 03/08/2023: View of the employee parking lot adjacent to the 'Arco Lofts.'

MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Monthly Monitoring

EA Representative: Mallory Behlmaier
Date of Inspection: April 21, 2022

Area A

Monthly Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0

Notes:

Blower 19 in/H₂O

VMP-8A: 0.00 in/H₂O

Area B

Monthly Monitoring Checklist:

1. OVM Reading (ppm): 0.0

Notes:

Blower 19 in/H₂O

Area C

Monthly Monitoring Checklist:

1. EW-1C OVM Reading (ppm): 0.0
2. EW-2C OVM Reading (ppm): 0.0
3. EW-3C OVM Reading (ppm): 0.0

Notes:



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Monthly Monitoring

EA Representative: Jason Kryszak
Date of Inspection: May 16, 2022

Area A

Monthly Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0

Notes: Blower at 18.0 in/H₂O

VMP-8A: 0.000 in/H₂O

Area B

Monthly Monitoring Checklist:

1. OVM Reading (ppm): 0.0

Notes: Blower at 19.0 in/H₂O

Area C

Monthly Monitoring Checklist:

1. EW-1C OVM Reading (ppm): 0.0
2. EW-2C OVM Reading (ppm): 0.0
3. EW-3C OVM Reading (ppm): 0.0

Notes:



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak
 Date of Inspection: June 6, 2022

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	16	17	17	16	17	N/A	17	17	17	17

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.068	-0.060	-0.068	-0.097	-0.056	0.00	-0.027	0.00	-0.110

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 19.0
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Yes

General Comments (leaks, defective gauges/fans, positive pressure readings?): VMP-8A had a zero pressure reading, VMP-6A has a zero pressure reading due to EW-6A being turned down/off (it was determined that EW-6A has no influence on the surrounding monitoring points and is therefore off).

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	26	27	27	28	27	27	27	26

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.014	-0.050	-0.211	-0.299	0.00	-0.016	-0.026



General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH₂O): 19.0

General Comments (leaks, defective gauges/fans, positive pressure readings?): VMP-5B had a zero pressure reading.

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	28	31	32
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	-0.019	-0.058	-0.037	-0.024	-0.076	-0.039

General Comments (leaks, defective gauges/fans, positive pressure readings?): None



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Monthly Monitoring

EA Representative: Eric Betzold, Geologist/Project Scientist
Date of Inspection: July 28, 2022

Area A

Monthly Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 1.4
2. Post-Carbon OVM Reading (ppm): 0.0

Notes: Blower at 19 in/H₂O

Rechecked VMP-8A: -0.018 in/H₂O

Area B

Monthly Monitoring Checklist:

1. OVM Reading (ppm): 0.5

Notes: Blower at 25 in/H₂O

Rechecked VMP-5B: -0.010 in/H₂O

Area C

Monthly Monitoring Checklist:

1. EW-1C OVM Reading (ppm): 1.5
2. EW-2C OVM Reading (ppm): 0.7
3. EW-3C OVM Reading (ppm): 0.1

Notes: none



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Monthly Monitoring

EA Representative: Jason Kryszak, Geologist/Project Scientist
Date of Inspection: August 26, 2022

Area A

Monthly Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.5
2. Post-Carbon OVM Reading (ppm): 0.0

Notes: Blower at 19 in/H₂O

Area B

Monthly Monitoring Checklist:

1. OVM Reading (ppm): 0.0

Notes: Blower at 23 in/H₂O

Area C

Monthly Monitoring Checklist:

1. EW-1C OVM Reading (ppm): 0.1
2. EW-2C OVM Reading (ppm): 0.0
3. EW-3C OVM Reading (ppm): 0.0

Notes: none



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Eric Betzold, Geologist/Project Scientist
 Date of Inspection: September 22, 2022

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	18	18	19	18	18	N/A	18	19	19	19

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.100	-0.098	-0.105	-0.157	-0.082	0.00	-0.032	-0.016	-0.149

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 1.2
2. Post-Carbon OVM Reading (ppm): 0.1
3. Blower Gauge Reading in inches of water (InH₂O): 18
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Yes
5. Greased Blower Bearing (Y/N)? Yes

General Comments (leaks, defective gauges/fans, positive pressure readings?):

VMP-6A has a zero pressure reading due to EW-6A being turned down/off (it was determined that EW-6A has no influence on the surrounding monitoring points and is therefore off).

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	28	29	30	30	29	30	29	28

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.019	-0.057	-0.238	-0.328	-0.017	-0.020	-0.263



General Monitoring Checklist:

1. OVM Reading (ppm): 2.6
2. Blower Gauge Reading in inches of water (InH₂O): 26

General Comments (leaks, defective gauges/fans, positive pressure readings?):

MPC needs to re-seal cracks in trench for EW-1B and EW-2B. Maintenance was notified. Repairs were completed on 9/23/2022.

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	29	31	32
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	-0.021	-0.059	-0.041	-0.018	-0.086	-0.046

General Comments (leaks, defective gauges/fans, positive pressure readings?): None



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak, Geologist/Project Scientist
 Date of Inspection: October 13, 2022

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	18	18	18	18	18	N/A	18	18	18	19

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.069	-0.063	-0.071	-0.126	-0.071	+0.000	-0.025	-0.018	-0.122

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.2
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 19
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? No
5. Greased Blower Bearing (Y/N)? No

General Comments (leaks, defective gauges/fans, positive pressure readings?):

VMP-6A has a zero pressure reading due to EW-6A being turned down/off (it was determined that EW-6A has no influence on the surrounding monitoring points and is therefore off).

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	31	32	33	33	32	34	32	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.045	-0.063	-0.123	-0.215	-0.035	-0.018	-0.131



General Monitoring Checklist:

1. OVM Reading (ppm): 0.8
2. Blower Gauge Reading in inches of water (InH₂O): 20

General Comments (leaks, defective gauges/fans, positive pressure readings?):

MPC needs to re-seal cracks in trench for EW-1B and EW-2B. Maintenance was notified. Repairs were completed on 9/23/2022.

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	29	31	0
OVM Reading (ppm)	0.0	0.0	NG

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	-0.033	-0.042	+0.000	-0.044	-0.044	+0.000

General Comments (leaks, defective gauges/fans, positive pressure readings?): EW-3C Fan is down. EW-3C influences VMP-3C, VMP-10C, and VMP-11C.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak, Project Scientist
 Date of Inspection: November 7, 2022

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	18	18	18	18	18	N/A	18	18	18	18

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.077	-0.063	-0.084	-0.122	-0.059	0.00	-0.021	0.00	-0.115

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 19
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? N
5. Greased Blower Bearing (Y/N)? N

General Comments (leaks, defective gauges/fans, positive pressure readings?):

VMP-6A has a zero pressure reading due to EW-6A being turned down/off (it was determined that EW-6A has no influence on the surrounding monitoring points and is therefore off).

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	31	32	33	33	33	34	32	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.014	-0.057	-0.218	-0.312	0.00	-0.016	-0.232



General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH₂O): 18

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	29	31	0
OVM Reading (ppm)	0.0	0.0	N/A

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	-0.016	-0.048	0.00	-0.023	-0.055	0.00

General Comments (leaks, defective gauges/fans, positive pressure readings?): EW-3C Fan is currently out for repairs. EW-3C influences VMP-3C, VMP-10C, and VMP-11C.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak, Project Scientist
 Date of Inspection: December 8 & 9, 2022

Area A 12/09/2022

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	18	18	18	18	18	N/A	18	18	18	18

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.074	-0.043	-0.046	-0.089	-0.048	0.000	-0.022	0.00	-0.110

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 19 on 12/08/2022 and 19 on 12/09/2022
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Yes
5. Greased Blower Bearing (Y/N)? Yes

General Comments (leaks, defective gauges/fans, positive pressure readings?): Items 1-5 on the General Monitoring Checklist were completed after the carbon change out on 12/09/2022

Area B 12/08/2022

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	32	33	34	34	33	34	33	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.017	-0.043	-0.153	-0.298	0.00	-0.015	-0.156



General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH₂O): 19

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C 12/09/2022

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	30	30	30
OVM Reading (ppm)	ND	ND	ND

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	-0.041	-0.030	-0.039	-0.045	-0.056	-0.022

General Comments (leaks, defective gauges/fans, positive pressure readings?): Area C VMPs were gauged on December 9, 2022 after the installation of new EW-3C fan.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak, Project Scientist
 Date of Inspection: January 31, 2023

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	16	17	18	17	17	N/A	17	18	17	18

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.059	-0.040	-0.042	-0.067	-0.039	0.000	-0.014	0.000	-0.078

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 18
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? No
5. Greased Blower Bearing (Y/N)? No

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	31	32	33	33	32	33	32	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.009	-0.044	-0.187	-0.279	0.000	-0.012	-0.158



General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH₂O): 19

General Comments (leaks, defective gauges/fans, positive pressure readings?):

There are large cracks in the floor around VMP-5B EM

EW-2B needs to be resealed.

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	Down	Down	30
OVM Reading (ppm)	NG	NG	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	NG	NG	NG	NG	NG	NG

General Comments (leaks, defective gauges/fans, positive pressure readings?):

EW-1C and EW-2C Fans are down. EW-1C and EW-2C influences VMP-1C, VMP-2C, VMP-4C, and VMP-10C.

VMP-3C and VMP-11C were not gauged due to fans being down.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Collin Snyder, Environmental Scientist
 Date of Inspection: February 21, 2023

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	16	17	18	17	17	N/A	17	18	17	18

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.059	-0.048	-0.061	-0.083	-0.040	0.000	-0.019	-0.007	-0.100

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 18
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? No

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	30	31	32	32	31	32	31	30

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.010	-0.045	Not accessible	-0.299	0.000	-0.014	-0.165



General Monitoring Checklist:

1. OVM Reading (ppm): 0.00
2. Blower Gauge Reading in inches of water (InH₂O): 26

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	Down	Down	NG
OVM Reading (ppm)	NG	NG	NG

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	NG	NG	NG	NG	NG	NG

General Comments (leaks, defective gauges/fans, positive pressure readings?):

EW-1C and EW-2C Fans are down. EW-1C and EW-2C influences VMP-1C, VMP-2C, VMP-4C, and VMP-10C.

VMP-3C and VMP-11C were not gauged due to fans being down.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Quarterly Monitoring

EA Representative: Jason Kryszak
 Date of Inspection: 03/10/2023

Area A

Extraction Well Location	EW-1A	EW-2A	EW-3A	EW-4A	EW-5A	EW-6A	EW-7A	EW-8A	EW-9A	EW-10A
Magnehelic Pressure Gauge Reading (InH ₂ O)	18	18	18	18	18	N/A	18	18	18	18

Vapor Monitoring Point Location	VMP-1A	VMP-2A	VMP-3A	VMP-4A	VMP-5A	VMP-6A	VMP-7A	VMP-8A	VMP-9A
Manometer Reading (InH ₂ O)	-0.052	-0.032	-0.054	-0.067	-0.032	0.000	0.000	0.000	-0.039

General Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0
3. Blower Gauge Reading in inches of water (InH₂O): 19
4. Quarterly pre- and post-carbon Tedlar Bag samples taken (Y/N)? Yes 03/08/2023
5. Greased Blower Bearing (Y/N)? No

General Comments (leaks, defective gauges/fans, positive pressure readings?): EA noticed crack along floor between VMP-7A and VMP-8A. EA will consult with MPC personnel to patch the crack ASAP

Area B

Extraction Well Location	EW-1B	EW-2B	EW-3B	EW-4B	EW-5B	EW-6B	EW-7B	EW-8B
Magnehelic Pressure Gauge Reading (InH ₂ O)	32	32	32	32	32	32	32	32

Vapor Monitoring Point Location	VMP-1B	VMP-2B	VMP-3B	VMP-4B	VMP-5B	VMP-6B	VMP-7B
Manometer Reading (InH ₂ O)	-0.015	-0.030	-0.046	-0.266	0.00	-0.015	-0.035



General Monitoring Checklist:

1. OVM Reading (ppm): 0.0
2. Blower Gauge Reading in inches of water (InH₂O): 19

General Comments (leaks, defective gauges/fans, positive pressure readings?):

Area C

Extraction Well Location	EW-1C	EW-2C	EW-3C
Magnehelic Pressure Gauge Reading (InH ₂ O)	Down	Down	30
OVM Reading (ppm)	0.0	0.0	0.0

Vapor Monitoring Point Location	VMP-1C	VMP-2C	VMP-3C	VMP-4C	VMP-10C	VMP-11C
Manometer Reading (InH ₂ O)	+0.00	+0.00	-0.031	+0.00	-0.045	-0.019

General Comments (leaks, defective gauges/fans, positive pressure readings?):

EW-1C and EW-2C Fans are down. EW-1C and EW-2C influences VMP-1C, VMP-2C, VMP-4C, and VMP-10C.



MOD-PAC Corp., Buffalo, NY
Sub-Slab Depressurization System (SSDS) Monthly Monitoring

EA Representative: Jason Kryszak
Date of Inspection: 04/06/2023

Area A

Monthly Monitoring Checklist:

1. Pre-Carbon OVM Reading (ppm): 0.0
2. Post-Carbon OVM Reading (ppm): 0.0

Notes: Blower at 20 in/H₂O

VMP-7A -0.025 on 4/12/23

VMP-8A -0.000 on 4/12/23

Area B

Monthly Monitoring Checklist:

1. OVM Reading (ppm): 0.0

Notes: Blower at 24 in/H₂O

VMP-5B -0.000 on 4/12/23

Area C

Monthly Monitoring Checklist:

1. EW-1C OVM Reading (ppm): NG
2. EW-2C OVM Reading (ppm): NG
3. EW-3C OVM Reading (ppm): 0.0

Notes: EW-1C and EW-2C Blowers are down. EW-1C and EW-2C influences VMP-1C, VMP-2C, VMP-4C, and VMP-10C.

EW-3C Blower 28 in/H₂O





Well Data Sheet

Date: 04/05/2022
Well ID: SB116 / MW-3
Crew: EB + JK
Well Depth (TOR): 15.0
Well Depth (GS): 15.0
Initial Water Level (TOR): 5.65
Initial Water Level (GS): 6.25

Job #: 01304

Volume Calculation: $(15.0 - 5.65)(0.163) = 1.52 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond. ns/cm	Temp. $^{\circ}\text{C}$	Turbidity NTU
11:03	1.0 gal	7.47	1.17	7.35	35.6
11:07	1.5 gal	7.38	1.13	7.27	19.7

Purge Method: Bailer/Submersible Pump
Initial Water Quality Fair
Final Water Quality

SAMPLE RECORD

Date: 04/05/22
Time: 11:10am
Crew: EB + JK
Method: LOW FLOW
Sample ID: MW-3(040522)
Water Quality: Good
pH: 7.31
Conductivity: 1.11 ms/cm
Temperature: 7.49 $^{\circ}\text{C}$
Turbidity: 5.7 NTU

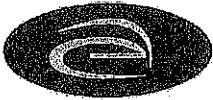
Volume: SEE CHAIN
Analysis: SEE CHAIN
Chain of Custody #: —
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/05/2022
Well ID: SB172 / MW-11
Crew: EB + JK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.45'
Initial Water Level (GS): 6.28'

Job #: 01304

Volume Calculation: $(15.05 - 5.45)(0.041) = 0.39 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond. ms/cm	Temp. $^{\circ}\text{C}$	Turbidity NTU
10:27 am	0.2 gal	7.23	1.48	7.78	221
10:32 am	0.4 gal	7.22	1.39	8.71	49.6

Purge Method: Bailer/Submersible Pump
Initial Water Quality: fair
Final Water Quality: _____

SAMPLE RECORD

Date: 4/5/2022
Time: 10:34 am
Crew: EB + JK
Method: LOW FLOW
Sample ID: MW-11(040522)
Water Quality: Good
pH: 7.20
Conductivity: 1.36 ms/cm
Temperature: 9.17 $^{\circ}\text{C}$
Turbidity: 31.6 NTU

Volume: SEL CHAM
Analysis: SEL CHAM
Chain of Custody #: —
Sample Type: GRAB

Diameter	Multiply by
<u>1"</u>	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
COLLECTED DUPLICATE SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 04/05/2022 Job #: 01304
Well ID: MW-12
Crew: EB + SK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.41'
Initial Water Level (GS): 4.91'

Volume Calculation: $(14.7 - 4.41)(0.041) = 0.422 \text{ gal}$
DTB-DTW*0.163=1-well vol

gal Purge Record					
Time	Volume	pH	Cond. mS/cm	Temp. °C	Turbidity NTU
9:54	0.25	8.50	1.18	8.23	195
10:03	0.50	8.14	1.18	8.40	44

Purge Method: Bailer Submersible Pump
Initial Water Quality: fair
Final Water Quality: Good

SAMPLE RECORD

Date: 04/05/2022 Volume: SEE CHART
Time: 10:05 AM Analysis: SEE CHART
Crew: EB + SK Chain of Custody #: -
Method: LOW FLOW SAMPLING Sample Type: GRAB
Sample ID: MW-12(040522)
Water Quality: Good
pH: 7.94
Conductivity: 1.19 mS/cm
Temperature: 7.94°C
Turbidity: 23.5 NTU

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
COLLECTED MS + MSD SAMPLES

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/05/2022
Well ID: SB173 / MW-13
Crew: EB + JK
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 3.8'
Initial Water Level (GS): 4.5'

Job #: 01304

Volume Calculation: $(14.23 - 3.8)(0.041) = 0.43 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond. mS/cm	Temp. $^{\circ}\text{C}$	Turbidity NTU
11:44	0.25	7.47	1.63	5.45	7.2
11:48	0.50	7.46	1.66	5.39	8.9

Purge Method: Bailer/Submersible Pump
Initial Water Quality: Good
Final Water Quality: Good

SAMPLE RECORD

Date: 04/05/2022
Time: 11:49 am
Crew: EB + JK
Method: Low Flow
Sample ID: MW-13(040522)
Water Quality: Good
pH: 7.46
Conductivity: 1.67 mS/cm
Temperature: 5.35 $^{\circ}\text{C}$
Turbidity: 6.1 NTU

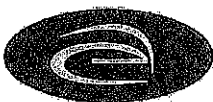
Volume: SEE CHAIN
Analysis: SEL CHAIN
Chain of Custody #: ✓
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/05/2022

Job #: 01304

Well ID: MW-14

Crew: EBS + JK

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.4'

Initial Water Level (GS): 6.86'

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/~~Submersible Pump~~

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:


Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

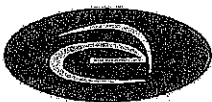
Comments: HEADSPACE: 0.0 ppm

NO SAMPLE REQUIRED

TOR= Top of Riser

GS= Ground Surface

Signature: 



Well Data Sheet

Date: 04/05/2022

Job #: 01304

Well ID: MW-15

Crew: EB + JK

Well Depth (TOR): 10.42'

Well Depth (GS): 10.72'

Initial Water Level (TOR): 5.08'

Initial Water Level (GS): 5.38'

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

NO SAMPLE REQUIRED

TOR= Top of Riser

GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 05/16/2022
Well ID: SB116 - MW3
Crew: SK
Well Depth (TOR): 15.0'
Well Depth (GS): 15.6'
Initial Water Level (TOR): 5.81'
Initial Water Level (GS): 6.41'

Job #: 01304

Volume Calculation: N/A
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID= 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 05/16/2022
Well ID: SB172 - MW11
Crew: SK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.49'
Initial Water Level (GS): 6.32'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID= 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 05/16/2022

Job #: 01304

Well ID: MW12 SB173

Crew: SK

Well Depth (TOR): 14.7'

Well Depth (GS): 15.2'

Initial Water Level (TOR): 5.30'

Initial Water Level (GS): 5.80'

Volume Calculation: N/A

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

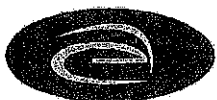
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID=0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 05/16/2022

Job #: 01304

Well ID: SB175-MW13

Crew: SK

Well Depth (TOR): 14.23'

Well Depth (GS): 14.93'

Initial Water Level (TOR): ~~14.10~~ 4.10'

Initial Water Level (GS): 4.80'

Volume Calculation:

N/A

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

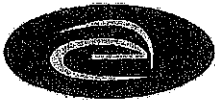
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID= 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 05/16/2022 Job #: 01304
Well ID: MW14
Crew: SK
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.54'
Initial Water Level (GS): 7.00
Volume Calculation: N/A
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: _____ Volume: _____
Time: _____ Analysis: _____
Crew: _____ Chain of Custody #: _____
Method: _____ Sample Type: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID= 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 05/16/2022

Job #: 01304

Well ID: MW15

Crew: SK

Well Depth (TOR): 10.42'

Well Depth (GS): 10.72'

Initial Water Level (TOR): 6.04'

Initial Water Level (GS): 6.34'

Volume Calculation:

N/A

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID = 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: 



Well Data Sheet

Date: 6/6/2022 Job #: 01304
Well ID: SB116 mw3
Crew: JK
Well Depth (TOR): 15.0'
Well Depth (GS): 15.6'
Initial Water Level (TOR): 5.70'
Initial Water Level (GS): 6.30'

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: _____ Volume: _____
Time: _____ Analysis: _____
Crew: _____ Chain of Custody #: _____
Method: _____ Sample Type: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 6/6/2022
Well ID: SB172 MW11
Crew: JK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.46'
Initial Water Level (GS): 6.29'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 6/6/2022
Well ID: MW12 SB173
Crew: JK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.73
Initial Water Level (GS): 5.23

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 6/6/2022
Well ID: SB175-MW13
Crew: JK
Well Depth (TOR): 14.23'
Well Depth (GS): 14.93
Initial Water Level (TOR): 4.23'
Initial Water Level (GS): 4.93'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 6/6/2022
Well ID: MW14
Crew: JK
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.31'
Initial Water Level (GS): 6.77'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

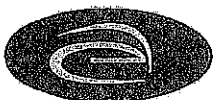
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 07/06/2022
Well ID: S1116 / MW3
Crew: JK
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 5.91
Initial Water Level (GS): 6.51

Job #: 01304

Volume Calculation: $(15.0 - 5.91) \times (0.163) = 1.5 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
10:30	3.0 gal				

Purge Method: Bailer/Submersible Pump
Initial Water Quality PUMP - 11.04 TURBID SLIGHT SHELLEN
Final Water Quality FAIR

SAMPLE RECORD

Date: 07/06/2022
Time: 10:35
Crew: JK
Method: LOW FLOW
Sample ID: MW-3(070622)
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

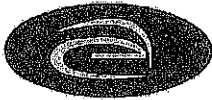
Volume: SEE CHART
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.1 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 07/06/2022
Well ID: SB172 / MW-11
Crew: SK
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 5.63'
Initial Water Level (GS): 6.46

Job #: 01304

Volume Calculation: $(15.05 - 5.63) (0.041) = 0.39 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
9:08	1.2 gal				

Purge Method: Bailer/Submersible Pump
Initial Water Quality POOR - TURBID SLIGHT SHELLEN
Final Water Quality FAIR

SAMPLE RECORD

Date: 07/06/22
Time: 9:10
Crew: SK
Method: LOW FLOW
Sample ID: MW-11(070622)
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

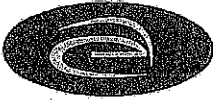
Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
<u>1"</u>	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 1.0 ppm SLIGHT SHELLEN
COLLECTED DUPLICATE SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 07/06/2022
Well ID: MW-12
Crew: SK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.10
Initial Water Level (GS): 4.60

Job #: 01304

Volume Calculation: $(14.7 - 4.10) \times 0.041 = 0.43 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
9:40	1.5 gal				

Purge Method: Bailer/Submersible Pump
Initial Water Quality FAIR
Final Water Quality FAIR

SAMPLE RECORD

Date: 07/06/2022
Time: 9:45
Crew: SK
Method: LOW FLOW
Sample ID: MW-12(070622)
Water Quality: FAIR
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

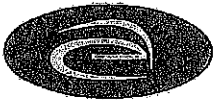
Volume: SEE CHAIN
Analysis: "
Chain of Custody #: —
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
COLLECTED MS + MSD SAMPLES

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 07/06/2022
Well ID: SS173 / MW-13
Crew: JK
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 4.11
Initial Water Level (GS): 4.81

Job #: 01304

Volume Calculation:

$$(14.23 - 4.11) \times (0.041) = 0.41 \text{ gal}$$

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
11:10	1.0 gal				

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: 07/06/2022
Time: 11:15
Crew: JK
Method: LOW FLOW
Sample ID: MW-13(070622)
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume: SEE CHART

Analysis: 11

Chain of Custody #: —

Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 07/06/2022

Job #: 01304

Well ID: MW-14

Crew: SK

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.57

Initial Water Level (GS): 7.03

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

NO SAMPLE

TOR= Top of Riser

GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 07/06/2022

Job #: 61304

Well ID: MW-15

Crew: SK

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.27

Initial Water Level (GS): 5.57

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
NO SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 8/09/2022
Well ID: SB116 / MW3
Crew: JK
Well Depth (TOR): 15.0'
Well Depth (GS): 15.6'
Initial Water Level (TOR): 5.85'
Initial Water Level (GS): 6.45'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE: 1.3 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 8/09/2022
Well ID: SB172 / mw11
Crew: JK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.71
Initial Water Level (GS): 6.54

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE!

ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 8/09/2022
Well ID: SBI73 / MW12
Crew: JK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.89'
Initial Water Level (GS): 5.39'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

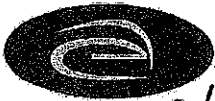
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE: 0.6 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 8/09/2022
Well ID: SB175/mw13
Crew: JK
Well Depth (TOR): 14.23'
Well Depth (GS): 14.93'
Initial Water Level (TOR): 3.90'
Initial Water Level (GS): 4.60'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date:
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE! 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 8/09/2022
Well ID: MW14
Crew: JK
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.61'
Initial Water Level (GS): 7.07'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date:
Time:
Crew:
Method:
Sample ID:
Water Quality:
pH:
Conductivity:
Temperature:
Turbidity:

Volume:
Analysis:
Chain of Custody #:
Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 8/09/2022

Job #: 01304

Well ID: MW15

Crew: JK

Well Depth (TOR): 10.42'

Well Depth (GS): 10.72'

Initial Water Level (TOR): 5.31'

Initial Water Level (GS): 5.61'

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEADSPACE! 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 9/22/22
Well ID: SB116/MW3
Crew: EB
Well Depth (TOR): 15.0'
Well Depth (GS): 15.6'
Initial Water Level (TOR): 6.18'
Initial Water Level (GS): _____

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well Head space : 3.9 PPM

TOR= Top of Riser
GS= Ground Surface

Signature:



Well Data Sheet

Date: 9/22/22
Well ID: SB172/MW11
Crew: EB
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.9'
Initial Water Level (GS): _____

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well Headspace: 0.8 PPM

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 9/22/22
Well ID: SB173/MW12
Crew: EB
Well Depth (TOR): 14.7
Well Depth (GS): 15.2'
Initial Water Level (TOR): 5.15'
Initial Water Level (GS): 5.65'

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: Well headspace: 0.0ppm
well cover is cracked. will replace next time on-site.

TOR= Top of Riser

GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 9/22/22 Job #: 01304
Well ID: SB175/MW13
Crew: EB
Well Depth (TOR): 14.23'
Well Depth (GS): 14.93'
Initial Water Level (TOR): 4.45'
Initial Water Level (GS): _____

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____ Volume: _____
Time: _____ Analysis: _____
Crew: _____ Chain of Custody #: _____
Method: _____ Sample Type: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well headspace: 0.0 PPM

TOR= Top of Riser
GS= Ground Surface

Signature:



Well Data Sheet

Date: 9/22/22 Job #: 01304
Well ID: MW-14
Crew: EB
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.82'
Initial Water Level (GS): _____

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

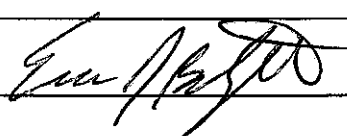
SAMPLE RECORD

Date: _____ Volume: _____
Time: _____ Analysis: _____
Crew: _____ Chain of Custody #: _____
Method: _____ Sample Type: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well headspace:

TOR= Top of Riser
GS= Ground Surface

Signature: 



Well Data Sheet

Date: 9/22/22 Job #: 01304
Well ID: MW-15
Crew: EB
Well Depth (TOR): 10.42'
Well Depth (GS): 10.72'
Initial Water Level (TOR): 5.5'
Initial Water Level (GS): _____

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____ Volume: _____
Time: _____ Analysis: _____
Crew: _____ Chain of Custody #: _____
Method: _____ Sample Type: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: well headspace : 0.08pm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 10/07/2022
Well ID: SB116 / MW3
Crew: JK
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 6.03
Initial Water Level (GS):

Job #: 01304

Volume Calculation: $(15.0 - 6.03)(0.163) = 1.46 \text{ gal}$

DTB-DTW*0.163=1-well vol

gal / Purge Record ms/cm °C NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
947	0.5	7.26	2.63	20.67	11.2
952	1.0	7.25	1.43	21.52	0.0
958	1.75	7.26	1.42	21.34	0.0

Purge Method: Bailer / Submersible Pump
Initial Water Quality FAIR - SLIGHT GREEN
Final Water Quality GOOD

SAMPLE RECORD

Date: 10/07/2022
Time: 0948
Crew: JK
Method: LOW FLOW
Sample ID: MW-3(100722)
Water Quality: GOOD
pH: 7.26
ms/cm Conductivity: 1.42
°C Temperature: 21.34
NTU Turbidity: 0.0

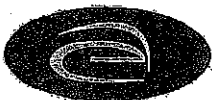
Volume: SECURITY
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 2.9 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 10/07/2022
Well ID: SB172 / MV-11
Crew: JK
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 5.8
Initial Water Level (GS):

Job #: 01304

Volume Calculation: $(15.05 - 5.8) (0.041) = 0.38 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record ms/cm $^{\circ}\text{C}$ NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
1029	0.25	7.13	2.20	21.48	17.6
1032	0.50	7.0	2.42	21.23	5.3

Purge Method: Bailer/Submersible Pump
Initial Water Quality FAIR - GOOD
Final Water Quality FAIR - GOOD

SAMPLE RECORD

Date: 10/07/2022
Time: 1032
Crew: JK
Method: LOW FLOW
Sample ID: MW-11(106722)
Water Quality: GOOD
pH: 7.0
Conductivity: 2.42
Temperature: 21.23
Turbidity: 5.3

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
<u>1"</u>	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 1.4 ppm

COLLECTED DUPLICATE SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 10/07/2022
Well ID: MW-12
Crew: JK
Well Depth (TOR): 14.7
Well Depth (GS): 15.2
Initial Water Level (TOR): 5.04
Initial Water Level (GS):

Job #: 01304

Volume Calculation: $(14.7 - 5.04)(0.041) = 0.40$ gal
DTB-DTW*0.163=1-well vol

Purge Record ^{gal} mS/cm ^{OC} NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
1117	0.25	7.08	1.50	20.36	127.0
1120	0.40	7.14	1.18	20.94	25.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality POOR - TURBID
Final Water Quality FAIR

SAMPLE RECORD

Date: 10/07/2022
Time: 1120
Crew: JK
Method: LOW FLOW
Sample ID: MW-12(00722)
Water Quality: FAIR
pH: 7.14
Conductivity: 1.18
Temperature: 20.94
Turbidity: 25.0

Volume: SEE CHART
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

COLLECTED MS + MSD SAMPLES

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 10/07/2022
Well ID: SB173 / MW-13
Crew: SK
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR):
Initial Water Level (GS):

Job #: 01304

Volume Calculation: $(14.23 - 5.66) \times (0.041) = 0.35 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record mS/cm $^{\circ}\text{C}$ NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
1200	0.35	7.54	0.55	20.78	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality GOOD
Final Water Quality GOOD

SAMPLE RECORD

Date: 10/07/2022
Time: 1200
Crew: SK
Method: LOW FLOW
Sample ID: MW-13(100722)
Water Quality: GOOD
pH: 7.54
 mS/cm Conductivity: 0.55
 $^{\circ}\text{C}$ Temperature: 20.78
NTU Turbidity: 0.0

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
<u>1"</u>	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.1 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 10/07/2022
Well ID: MW-14
Crew: SK
Well Depth (TOR): 9.7
Well Depth (GS): 10.16
Initial Water Level (TOR): 7.56
Initial Water Level (GS): _____

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
NO SAMPLE NEEDED

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 10/07/2022
Well ID: MW-15
Crew: SK
Well Depth (TOR): 10.42
Well Depth (GS): 10.72
Initial Water Level (TOR): 7.5
Initial Water Level (GS):

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

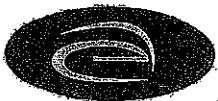
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

NO SAMPLE NEEDED

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022
Well ID: SB116 / mw3
Crew: JK
Well Depth (TOR): 15.0'
Well Depth (GS): 15.6'
Initial Water Level (TOR): 5.71
Initial Water Level (GS): 6.31

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

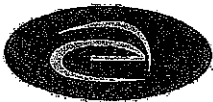
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 2.3 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022
Well ID: SB172 / MW11
Crew: JK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.61'
Initial Water Level (GS): 6.44'

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

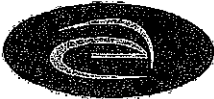
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 1.6 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022
Well ID: SB173 / MW12
Crew: JK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.62
Initial Water Level (GS): 5.12

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

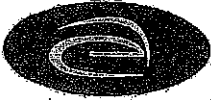
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022
Well ID: SB175 / MW13
Crew: JK
Well Depth (TOR): 14.23'
Well Depth (GS): 14.93'
Initial Water Level (TOR): 3.78
Initial Water Level (GS): 4.48

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

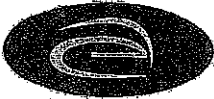
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022
Well ID: MW-14
Crew: JK
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.52
Initial Water Level (GS): 6.98

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 11/07/2022

Job #: 01304

Well ID: MW-15

Crew: JK

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 7.61

Initial Water Level (GS): 7.91

Volume Calculation: MONTHLY MW GAUGING / NO SAMPLES

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

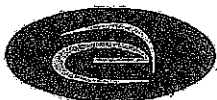
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: WELL HEAD SPACE: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 12/08/2022

Job #: 01304

Well ID: MW-3

Crew: JK

Well Depth (TOR): 15.0'

Well Depth (GS): 15.6'

Initial Water Level (TOR): 5.55

Initial Water Level (GS): 6.15

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 1.1 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 12/08/2022
Well ID: MW-11
Crew: JK
Well Depth (TOR): 15.05'
Well Depth (GS): 15.88'
Initial Water Level (TOR): 5.38
Initial Water Level (GS): 6.21

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality _____
Final Water Quality _____

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

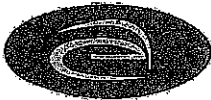
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 12/08/2022
Well ID: MW-12
Crew: JK
Well Depth (TOR): 14.7'
Well Depth (GS): 15.2'
Initial Water Level (TOR): 4.42
Initial Water Level (GS): 4.92

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

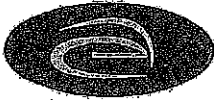
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 12/08/2022

Job #: 01304

Well ID: MW-13

Crew: JK

Well Depth (TOR): ~~14.14~~ 14.23'

Well Depth (GS): 14.93'

Initial Water Level (TOR): 3.45'

Initial Water Level (GS): 4.15'

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

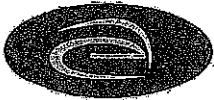
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.5 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 12/08/2022
Well ID: MW-14
Crew: JK
Well Depth (TOR): 9.7'
Well Depth (GS): 10.16'
Initial Water Level (TOR): 6.34'
Initial Water Level (GS): 6.80'

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump
Initial Water Quality
Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

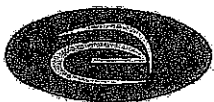
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 12/08/2022
Well ID: MW-15
Crew: JK
Well Depth (TOR): 10.42
Well Depth (GS): 10.72
Initial Water Level (TOR): 5.00
Initial Water Level (GS): 5.30

Job #: 01304

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLES)
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

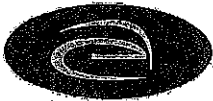
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 01/05/2023
Well ID: SB116 / MW3
Crew: SK CS
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 9.70
Initial Water Level (GS): 5.3

Job #: 01304

Volume Calculation: $(15.0 - 4.70) \times (0.163) = 1.68 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record mg/cm^3 °C NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
09:05	0.5	0.0	0.001	16.69	216
09:13	1.2	7.41	1.39	14.02	1.2
09:14	1.7	7.26	1.39	14.89	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality: POOR
Final Water Quality: GOOD

SAMPLE RECORD

Date: 01/05/2023
Time: 09:20
Crew: SK
Method: LOW FLOW
Sample ID: MW-3 (010523)
Water Quality: GOOD
pH: 7.26
Conductivity: 1.39
Temperature: 14.89
Turbidity: 0.0

Volume: SEELCHAM
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
<u>2"</u>	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 2.2 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 01/05/2023
Well ID: SB172/mw-11
Crew: SK CS
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 4.73
Initial Water Level (GS): 5.56

Job #: 01304

Volume Calculation: $(15.05 - 4.73)(0.041) = 0.42 \text{ gal}$

DTB-DTW*0.163=1-well vol

Purge Record ^{gal} m/s/cm °C NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
09:37	0.2	7.15	3.00	13.78	32.6
09:39	0.3	6.46	3.03	14.62	17.5
09:42	0.4	7.10	2.19	13.72	9.1
09:44	0.5	7.21	1.91	13.53	5.8

Purge Method: Bailer/Submersible Pump
Initial Water Quality: 66 FAIR
Final Water Quality: 600D

SAMPLE RECORD

Date: 01/05/2023
Time: 09:44
Crew: SK
Method: LOW FLOW
Sample ID: MW-11(010823)
Water Quality: 600D
pH: 7.21
Conductivity: 1.91
Temperature: 13.53
Turbidity: 5.8

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

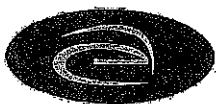
Diameter	Multiply by
<u>1"</u>	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

COLLECTED DUPLICATE SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 01/05/2023

Job #: 01304

Well ID: MW-12

Crew: SK CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 3.54

Initial Water Level (GS): 4.04

Volume Calculation: $(14.7 - 3.54) \times (0.041) = 0.46 \text{ gal}$

DTB-DTW*0.163=1-well vol

Purge Record $\frac{\text{gal}}{\text{min}}$ mS/cm °C NTU					
Time	Volume	pH	Cond.	Temp.	Turbidity
10:30	0.2	7.08	1.14	13.33	115
10:32	0.3	7.11	1.07	13.25	88.4
10:35	0.4	7.19	1.00	13.86	20.8
10:37	0.5	7.23	1.03	12.76	9.3
10:38	0.55	7.20	1.07	12.68	4.6

Purge Method: Bailer/Submersible Pump

Initial Water Quality

POOR

Final Water Quality

SAMPLE RECORD

Date: 01/05/2023

Time: 10:30

Crew: SK

Method: Low Flow

Sample ID: MW-12(010523)

Water Quality: GOOD

pH: 7.28

Conductivity: 1.07

Temperature: 12.68

Turbidity: 4.6

Volume: SEE CHART

Analysis: "

Chain of Custody #: -

Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

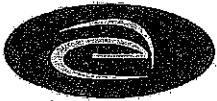
Comments: HEADSPACE: 0.0 ppm

COLLECTED MS + MSD SAMPLES

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 01/05/2023
Well ID: SB173 / MW-13
Crew: JK CS
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 2.62
Initial Water Level (GS): 3.32

Job #: 01304

Volume Calculation: $(14.23 - 2.62)(0.041) = 0.48 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record m^3/km $^{\circ}\text{C}$ NTU

Time	Volume	pH	Cond.	Temp.	Turbidity
11:04	0.2	7.59	1.06	9.54	3.1
11:07	0.4	7.60	1.17	9.49	0.0
11:09	0.5	7.62	1.19	9.40	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality 600D
Final Water Quality 600D

SAMPLE RECORD

Date: 01/05/2023
Time: 11:09
Crew: JK
Method: LOW FLOW
Sample ID: MW-13(010523)
Water Quality: 600D
pH: 7.62
Conductivity: 1.19
Temperature: 9.40
Turbidity: 0.0

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
①"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 01/05/2023
Well ID: MW-14
Crew: SK CS
Well Depth (TOR): 9.7
Well Depth (GS): 10.16
Initial Water Level (TOR): 5.69
Initial Water Level (GS): 6.15

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

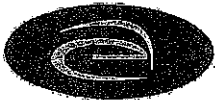
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm
NO SAMPLE TAKEN

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 01/05/2023
Well ID: MW-15
Crew: SK CS
Well Depth (TOR): 10.42
Well Depth (GS): 10.72
Initial Water Level (TOR): 4.36
Initial Water Level (GS): 4.66

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

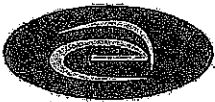
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.10 ppm
NO SAMPLE TAKEN

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW 3

Crew: CS

Well Depth (TOR): 15.05 15.0

Well Depth (GS): 15.88 15.6

Initial Water Level (TOR): 5.70

Initial Water Level (GS): 6.30

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

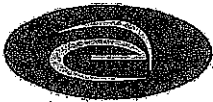
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Sengulore



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW1

Crew: CS

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 5.50

Initial Water Level (GS): 6.33

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

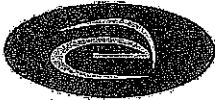
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE! ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smyke



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW/2

Crew: CS

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.55

Initial Water Level (GS): 5.05

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

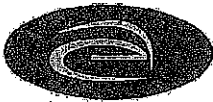
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE! ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Snyder



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW13

Crew: CS

Well Depth (TOR): 18.10 14.23

Well Depth (GS): 15.76 14.29

Initial Water Level (TOR): 3.81

Initial Water Level (GS): 4.51

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

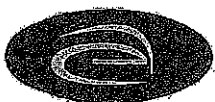
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smyton



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW 14

Crew: CS

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.46

Initial Water Level (GS): 6.92

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

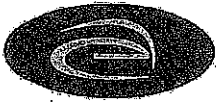
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE! ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Colleen S. Angles



Well Data Sheet

Date: 02/21/2023

Job #: 01304

Well ID: MW 15

Crew: CS

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 5.13

Initial Water Level (GS): 5.33

Volume Calculation: MONTHLY MW GAUGING (NO SAMPLING)

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

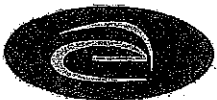
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.00 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: Collin Smolarec



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: MV3 / SB116

Crew: CS & SL

Well Depth (TOR): 15.0

Well Depth (GS): 15.6

Initial Water Level (TOR): 541

Initial Water Level (GS): 6.01

Volume Calculation: ~~DTB~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

NO SAMPLING - MONTHLY MW GAUGING

TOR= Top of Riser

GS= Ground Surface

Signature: 



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: SB 172 MW-11

Crew: CS & SL

Well Depth (TOR): 15.05

Well Depth (GS): 15.88

Initial Water Level (TOR): 5.39

Initial Water Level (GS): 6.22

Volume Calculation: ~~R~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE:

ppm

NO SAMPLING - MONTHLY MW GAUGING

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: MW-12

Crew: CS & SLK

Well Depth (TOR): 14.7

Well Depth (GS): 15.2

Initial Water Level (TOR): 4.39

Initial Water Level (GS): 4.89

Volume Calculation: ~~DTB~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE:

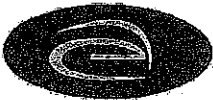
ppm

NO SAMPLING - MONTHLY MW GAUGING

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: S8173 / mw-13

Crew: CS & SL

Well Depth (TOR): 14.23

Well Depth (GS): 14.93

Initial Water Level (TOR): 3.46

Initial Water Level (GS): 4.16

Volume Calculation: ~~DTB~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

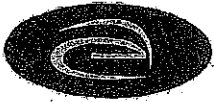
Comments: PID HEADSPACE: 0.0 ppm

NO SAMPLING - MONTHLY MW EXHAUSTING

TOR= Top of Riser

GS= Ground Surface

Signature: 



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: MW-14

Crew: CS & SLK

Well Depth (TOR): 9.7

Well Depth (GS): 10.16

Initial Water Level (TOR): 6.27

Initial Water Level (GS): 6.73

Volume Calculation: ~~DTB~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE: 0.0 ppm

NO SAMPLING - MONTHLY MW EXHAUSTING

TOR= Top of Riser

GS= Ground Surface

Signature: 



Well Data Sheet

Date: 03/24/2023

Job #: 01304

Well ID: MW-15

Crew: CS & SK

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 4.90

Initial Water Level (GS): 5.26

Volume Calculation: ~~BL~~

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date:

Time:

Crew:

Method:

Sample ID:

Water Quality:

pH:

Conductivity:

Temperature:

Turbidity:

Volume:

Analysis:

Chain of Custody #:

Sample Type:

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: PID HEADSPACE:

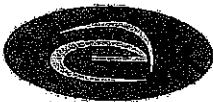
ppm

NO SAMPLING - MONTHLY MW GAUGING

TOR= Top of Riser

GS= Ground Surface

Signature:



Well Data Sheet

Date: 04/06/2023
Well ID: SBI16 / MW3
Crew: SK
Well Depth (TOR): 15.0
Well Depth (GS): 15.6
Initial Water Level (TOR): 5.35
Initial Water Level (GS): 5.95

Job #: 01304

Volume Calculation: $(15.0 - 5.35) \times (0.163) = 1.57 \text{ gal}$
DTB-DTW $\times 0.163 = 1\text{-well vol}$

Purge Record ^{gal} ^{ns/cm} ^{°C} ^{NTU}					
Time	Volume	pH	Cond.	Temp.	Turbidity
08:54	0.8	7.31	2.96	14.56	39.2
0900	1.2	7.27	2.00	13.12	7.5
0906	1.6	7.22	1.83	12.95	0.2

Purge Method: Bailer/Submersible Pump
Initial Water Quality: POOR
Final Water Quality: GOOD

SAMPLE RECORD

Date: 04/06/2023
Time: 0906
Crew: SK
Method: LOW FLOW
Sample ID: MW-3(040623)
Water Quality: GOOD
pH: 7.22
Conductivity: 1.83
Temperature: 12.95
Turbidity: 0.2

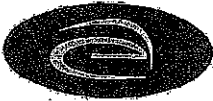
Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 2.0 ppm

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/06/2023
Well ID: MW-11
Crew: SK
Well Depth (TOR): 15.05
Well Depth (GS): 15.88
Initial Water Level (TOR): 4.6
Initial Water Level (GS): 5.43

Job #: 01304

Volume Calculation: $(15.05 - 4.6)(0.041) = 0.43 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
0939	0.25	7.11	2.59	13.11	5.9
0943	0.40	7.30	1.87	12.39	15.4
0945	0.55	7.33	1.78	12.30	5.9

Purge Method: Bailer/Submersible Pump
Initial Water Quality: FAIR
Final Water Quality: GOOD

SAMPLE RECORD

Date: 04/06/2023
Time: 0945
Crew: SK
Method: LOW FLOW
Sample ID: MW-11 (040623) - DUP
Water Quality: GOOD
pH: 7.33
Conductivity: 1.78
Temperature: 12.30
Turbidity: 5.9

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

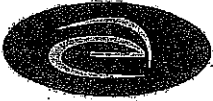
Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0

DUPLICATE SAMPLE COLLECTED

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/06/2023
Well ID: MW-12
Crew: SK
Well Depth (TOR): 14.7
Well Depth (GS): 15.2
Initial Water Level (TOR): 3.76
Initial Water Level (GS): 4.26

Job #: 01304

Volume Calculation: $(14.7 - 3.76)(0.041) = 0.45 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
1050	0.2	7.10	1.44	13.04	29.1
1055	0.4	7.33	1.49	12.13	9.2
1057	0.5	7.40	1.54	11.99	1.8

Purge Method: Bailer/Submersible Pump
Initial Water Quality FAIR
Final Water Quality GOOD

SAMPLE RECORD

Date: 04/06/2023
Time: 1057
Crew: SK
Method: LOW FLOW
Sample ID: MW-12(040623) + MS + MSD
Water Quality: GOOD
pH: 7.40
Conductivity: 1.54
Temperature: 11.99
Turbidity: 1.8

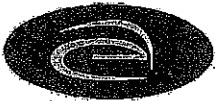
Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0
MS + MSD ALSO COLLECTED

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/06/2023
Well ID: MW-13
Crew: SK
Well Depth (TOR): 14.23
Well Depth (GS): 14.93
Initial Water Level (TOR): 3.10
Initial Water Level (GS): 3.80

Job #: 01304

Volume Calculation: $(14.23 - 3.10)(0.041) = 0.46 \text{ gal}$
DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity
1124	0.2	7.31	1.71	12.66	56.1
1131	0.4	7.57	1.27	11.39	11.0
1135	0.5	7.61	1.32	11.35	0.0

Purge Method: Bailer/Submersible Pump
Initial Water Quality: FAIR
Final Water Quality: GOOD

SAMPLE RECORD

Date: 04/06/2023
Time: 1135
Crew: SK
Method: LOW FLOW
Sample ID: MW-13(040623)
Water Quality: GOOD
pH: 7.61
Conductivity: 1.32
Temperature: 11.35
Turbidity: 0.0

Volume: SEE CHAIN
Analysis: "
Chain of Custody #: -
Sample Type: NO GRAB

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0

TOR= Top of Riser
GS= Ground Surface

Signature: [Signature]



Well Data Sheet

Date: 04/06/2023
Well ID: MU-14
Crew: SK
Well Depth (TOR): 9.7
Well Depth (GS): 10.16
Initial Water Level (TOR): 6.22
Initial Water Level (GS): 6.68

Job #: 01304

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____
Time: _____
Crew: _____
Method: _____
Sample ID: _____
Water Quality: _____
pH: _____
Conductivity: _____
Temperature: _____
Turbidity: _____

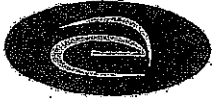
Volume: _____
Analysis: _____
Chain of Custody #: _____
Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE: 0.0
NO SAMPLE

TOR= Top of Riser
GS= Ground Surface

Signature: _____



Well Data Sheet

Date: 04/06/2023

Job #: 01304

Well ID: MW-15

Crew: JK

Well Depth (TOR): 10.42

Well Depth (GS): 10.72

Initial Water Level (TOR): 4.95

Initial Water Level (GS): 5.25

Volume Calculation:

DTB-DTW*0.163=1-well vol

Purge Record

Time	Volume	pH	Cond.	Temp.	Turbidity

Purge Method: Bailer/Submersible Pump

Initial Water Quality

Final Water Quality

SAMPLE RECORD

Date: _____

Time: _____

Crew: _____

Method: _____

Sample ID: _____

Water Quality: _____

pH: _____

Conductivity: _____

Temperature: _____

Turbidity: _____

Volume: _____

Analysis: _____

Chain of Custody #: _____

Sample Type: _____

Diameter	Multiply by
1"	0.041
2"	0.163
3"	0.367
4"	0.653
6"	1.468
8"	2.61

Comments: HEADSPACE 0.0 ppm

TOR= Top of Riser

GS= Ground Surface

Signature: _____

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No. : C915314Site Name : MOD-PAC, CORP.Date: 03/08/2023

Time: _____

Structure Address : 1801 ELMWOOD AVENUE, BUFFALO, NYPreparer's Name & Affiliation : JASON KRYSZAK - ENVIRONMENTAL ADVANTAGE INC. (CONSULTANT)Residential ? ☐ Yes ☒ No Owner Occupied ? ☒ Yes ☐ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☒ Yes ☐ No Industrial ? ☒ Yes ☐ No Mixed Uses ? ☐ Yes ☒ NoIdentify all non-residential use(s) : MANUFACTURING OF FOLDING PAPER CARTONSOwner Name : MOD-PAC, CORP. Owner Phone : () _____ - _____

Secondary Owner Phone : () _____ - _____

Owner Address (if different) : 1801 ELMWOOD AVE, BUFFALO NY

Occupant Name : _____ Occupant Phone : () _____ - _____

Secondary Occupant Phone : () _____ - _____

Number & Age of All Persons Residing at this Location : NONEAdditional Owner/Occupant Information : N/ADescribe Structure (style, number floors, size) : COMMERCIAL/INDUSTRIAL USE SPACE, 1-3 STORIES, BRICK & METAL CLAD EXTERIOR, ~500,000ft², FLAT ROOFApproximate Year Built : ~1900Is the building Insulated? ☒ Yes ☐ NoLowest level : ☒ Slab-on-grade ☐ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : COMMERCIAL/INDUSTRIAL MANUFACTURING OF FOLDING CARTONS, PRINTING, WAREHOUSINGFloor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☒ Good (few or no cracks) ☐ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☐ Yes ☒ No Describe : _____Identify other floor penetrations & details : NONEWall Construction : ☒ Concrete Block ☐ Poured Concrete ☐ Laid-Up StoneIdentify any wall penetrations : Wall vents and windowsIdentify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : NONEHeating Fuel : ☐ Oil ☒ Gas ☐ Wood ☐ Electric ☐ Other : _____Heating System : ☒ Forced Air ☐ Hot Water ☐ Other : _____Hot Water System : ☒ Combustion ☐ Electric ☐ Boilermate ☐ Other : _____Clothes Dryer : ☐ Electric ☐ Gas Where is dryer vented to? N/AIf combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.): Ceiling(roof top HVAC) Several non vent natural gas heatersFans & Vents (identify where fans/vents pull air from and where they vent/exhaust to): Warehouse Area Ventson the north and south walls (pushes interior air to out side.)

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

INDUSTRIAL PRINTING, JANITORIAL CLEANERS, WORKSHOP

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent painting or staining ? ☐ Yes ☒ No Where ? : _____

Any solvent or chemical-like odors ? ☒ Yes ☐ No Describe : OCCASIONAL CHEMICAL

ODOR FROM PRINTING PROCESS

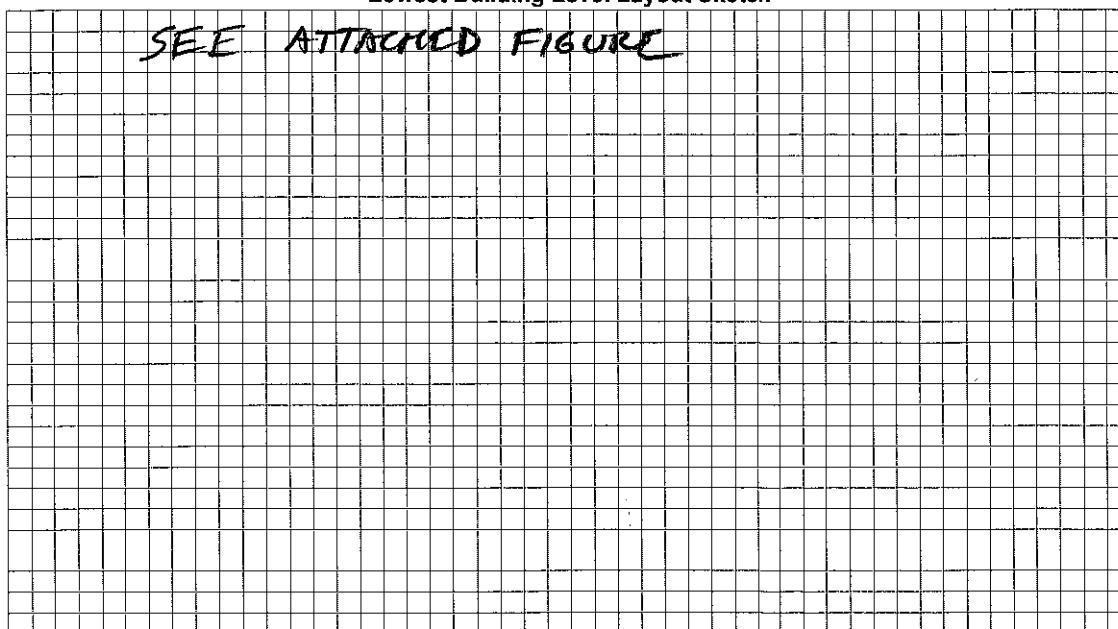
Last time Dry Cleaned fabrics brought in ? N/A What / Where ? X

Do any building occupants use solvents at work ? ☒ Yes ☐ No Describe : to clean printing presses.

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☒ Yes ☐ No If yes, describe below

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Page 1 of 1

Date: 3/8/2023

Site Number & Name: Mod-Pac Corporation Phone Number: _____

Make & Model of PID: Mini Race 3000 Date of PID Calibration: _____

[illegible]

ENVIRONMENTAL ADVANTAGE, INC.

Phase I/II Audits – Site Investigations – Facility Inspections

MARCH 2023 INDOOR AIR SAMPLING LOCATIONS

1801 ELMWOOD AVENUE
BUFFALO, NEW YORK

DRAWN BY: MS

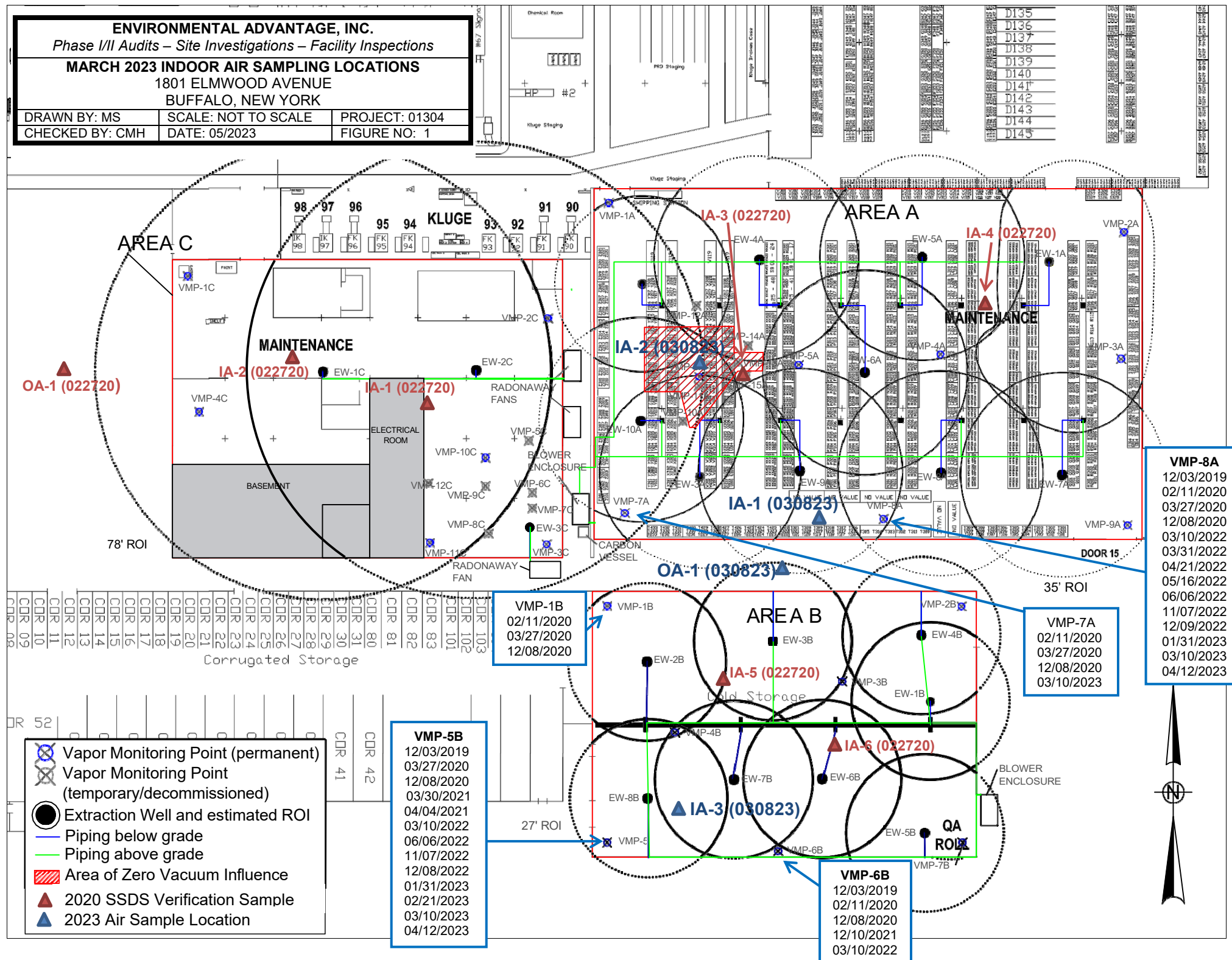
SCALE: NOT TO SCALE

PROJECT: 01304

CHECKED BY: CMH

DATE: 05/2023

FIGURE NO: 1





AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC, Corp.

Project No.: 01304

Site Name & Address: BCP Site No. C915314, 1801 Elmwood, Buffalo, NY

Person(s) Performing Sampling: Jason Kryszak

Sample Identification: OA-1(030823)

Sample Type: ☒ Indoor Air (ambient) ☒ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/08/2023 Setup Time: 0800 Stop Time: 1600

Sample Depth: N/A

Sample Height: 4-feet

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 174 Regulator # 02076

Vacuum Pressure of Canister Prior to Sampling: -29.62

Vacuum Pressure of Canister After Sampling: -6.77

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature 

Date: 03/08/2023



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC, Corp.

Project No.: 01304

Site Name & Address: BCP Site No. C915314, 1801 Elmwood, Buffalo, NY

Person(s) Performing Sampling: Jason Kryszak

Sample Identification: IA-1(030823)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/08/2023 Setup Time: 0810 Stop Time: 1610

Sample Depth: N/A

Sample Height: 4-feet

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 2081 Regulator # 0774

Vacuum Pressure of Canister Prior to Sampling: -29.69

Vacuum Pressure of Canister After Sampling: -5.16

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature 

Date: 03/08/2023



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC, Corp.

Project No.: 01304

Site Name & Address: BCP Site No. C915314, 1801 Elmwood, Buffalo, NY

Person(s) Performing Sampling: Jason Kryszak

Sample Identification: IA-2(030823)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/08/2023 Setup Time: 0815 Stop Time: 1615

Sample Depth: N/A

Sample Height: 4-feet

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 3405 Regulator # 01465

Vacuum Pressure of Canister Prior to Sampling: -29.90

Vacuum Pressure of Canister After Sampling: -5.11

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature 

Date: 03/08/2023



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC, Corp.

Project No.: 01304

Site Name & Address: BCP Site No. C915314, 1801 Elmwood, Buffalo, NY

Person(s) Performing Sampling: Jason Kryszak

Sample Identification: IA-3(030823)

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/08/2023 Setup Time: 0820 Stop Time: 1620

Sample Depth: N/A

Sample Height: 4-feet

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 2856 Regulator # 01659

Vacuum Pressure of Canister Prior to Sampling: -28.37

Vacuum Pressure of Canister After Sampling: -8.64

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature 

Date: 03/08/2023



AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: MOD-PAC, Corp.

Project No.: 01304

Site Name & Address: BCP Site No. C915314, 1801 Elmwood, Buffalo, NY

Person(s) Performing Sampling: Jason Kryszak

Sample Identification: IA-3(030823) DUPLICATE

Sample Type: ☒ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☐ Sub-slab Vapor

Date of Collection: 03/08/2023 Setup Time: 0820 Stop Time: 1620

Sample Depth: N/A

Sample Height: 4-feet

Sampling Method(s) & Device(s): 2.7 L Summa Canister & Regulator

Purge Volume: N/A

Sample Volume: 2.7 L

Sampling Canister Type & Size (if applicable): 2.7 L Summa

Canister # 2577 Regulator # 01247

Vacuum Pressure of Canister Prior to Sampling: -29.15

Vacuum Pressure of Canister After Sampling: -6.85

Temperature in Sampling Zone: 70°F

Apparent Moisture Content of Sampling Zone: Low

Soil Type in Sampling Zone: N/A

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Alpha Analytical

Analysis: TO-15

Comments:

Sampler's Signature 

Date: 03/08/2023

APPENDIX F

WASTE DISPOSAL DOCUMENTATION

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY

North Dust Data

December 15, 2022

<u>Instrument Name</u>	<u>DustTrak II</u>
Model Number	8530
Serial Number	8530142411
Firmware Version	3.1
Calibration Date	2/10/2022

<u>Test Name</u>	<u>TEST 1_001</u>
Test Start Time	9:50:14 AM
Test Start Date	12/15/2022
Test Length [D:H:M]	0:02:45
Test Interval [M:S]	15:00
Mass Average [mg/m ³]	0.066
Mass Minimum [mg/n]	0.03
Mass Maximum [mg/n]	0.096
Mass TWA [mg/m ³]	0.023
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	11

<u>Elapsed Time [s]</u>	<u>Mass [mg/m³]</u>	<u>Alarms</u>	<u>Errors</u>
900	0.034	2	
1800	0.092	1;2	
2700	0.095	2	
3600	0.085	1;2	
4500	0.09	1;2	
5400	0.066	2	
6300	0.096	1;2	
7200	0.056	2	
8100	0.034	2	
9000	0.03	2	
9900	0.044	2	

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
North Dust Data
December 21, 2022

<u>Instrument Name</u>	<u>DustTrak II</u>
Model Number	8530
Serial Number	8530152808
Firmware Version	3.1
Calibration Date	5/17/2022

<u>Test Name</u>	<u>MANUAL 001</u>
Test Start Time	7:27:53
Test Start Date	12/21/2022
Test Length [D:H:M]	0:02:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.03
Mass Maximum [mg/m3]	0.055
Mass TWA [mg/m3]	0.013
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

<u>Elapsed Time [s]</u>	<u>Mass [mg/m3]</u>	<u>Alarms</u>	<u>Errors</u>
900	0.04		
1800	0.043		
2700	0.039		
3600	0.03		
4500	0.049		
5400	0.055		
6300	0.039		
7200	0.042		
8100	0.038		
9000	0.032		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
North VOC Data
December 15, 2022

=====

22/12/15 11:12

Summary

Unit Name	MiniRAE 3000(PGM-7320)
Unit SN	592-910760
Unit Firmware Ver	V1.20

Running Mode	Hygiene Mode
Measure Type	Avg
Datalog Mode	Continuous
Datalog Type	Auto
Diagnostic Mode	No
Stop Reason	Pause in Menu Mode

Site ID	RAE00000
User ID	1

Begin	12/15/2022 11:12
End	12/15/2022 11:13
Sample Period(s)	900
Number of Records	0

Sensor	VOC(ppm)
Span	100
Span 2	N/A
Low Alarm	100
High Alarm	200
Over Alarm	2000
STEL Alarm	25
TWA Alarm	10
Measurement Gas	Isobutylene
Calibration Time	12/15/2022 11:12

Datalog

0 record.

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
North VOC Data
December 21, 2022

22/12/21 07:25

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910760
Unit Firmware Ver V1.20

Running Mode Hygiene Mode
Measure Type Avg
Datalog Mode Continuous
Datalog Type Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID RAE00000
User ID 1

Begin 12/21/2022 7:25
End 12/21/2022 10:03
Sample Period(s) 900
Number of Records 10

Sensor VOC(ppm)
Span 100
Span 2 N/A
Low Alarm 100
High Alarm 200
Over Alarm 2000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 12/20/2022 8:04
Peak N/A
Min N/A
Average N/A

Datalog

Index	Date/Time	VOC(ppm)
		(Avg)
1	12/21/2022 7:26	0.906
2	12/21/2022 7:40	0.404
3	12/21/2022 7:55	0.426
4	12/21/2022 8:10	0.548
5	12/21/2022 8:25	0.579
6	12/21/2022 8:40	0.655
7	12/21/2022 8:55	0.707
8	12/21/2022 9:10	0.707
9	12/21/2022 9:25	0.806
10	12/21/2022 9:40	0.858
11	12/21/2022 9:55	0.944
Peak		0.944
Min		0.404
Average		0.685

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
South Dust Data
December 15, 2022

<u>Instrument Name</u>	<u>DustTrak II</u>
Model Number	8530
Serial Number	8530113005
Firmware Version	3.1
Calibration Date	2/7/2022

<u>Test Name</u>	<u>TEST 2_001</u>
Test Start Time	10:57:09 AM
Test Start Date	12/15/2022
Test Length [D:H:M]	0:03:03
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.083
Mass TWA [mg/m3]	0.015
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	12

<u>Elapsed Time [s]</u>	<u>Mass [mg/m3]</u>	<u>Alarms</u>	<u>Errors</u>
900	0.015		
1800	0.04		
2700	0.053		
3600	0.053		
4500	0.061		
5400	0.051		
6300	0.055		
7200	0.056		
8100	0.032		
9000	0.028		
9900	0.03		
10800	0.028		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
South Dust Data
December 21, 2022

<u>Instrument Name</u>	<u>DustTrak II</u>
Model Number	8530
Serial Number	8530113005
Firmware Version	3.1
Calibration Date	2/7/2022

<u>Test Name</u>	<u>MANUAL_001</u>
Test Start Time	8:19:47 AM
Test Start Date	12/21/2022
Test Length [D:H:M]	0:02:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.076
Mass Minimum [mg/m3]	0.063
Mass Maximum [mg/m3]	0.097
Mass TWA [mg/m3]	0.024
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	10

<u>Elapsed Time [s]</u>	<u>Mass [mg/m3]</u>	<u>Alarms</u>	<u>Errors</u>
900	0.072		
1800	0.097		
2700	0.082		
3600	0.063		
4500	0.065		
5400	0.078		
6300	0.069		
7200	0.084		
8100	0.067		
9000	0.083		

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
South VOC Data
December 15, 2022

=====

22/12/15 11:30

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-600822
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	12/15/2022 11:30
End	12/15/2022 14:36
Sample Period(s)	900
Number of Records	12

Sensor	PID(ppm)
Sensor SN	S023030303A9
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	25
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	12/14/2022 11:35
Peak	N/A
Min	N/A
Average	N/A

Datalog

Index	Date/Time	PID(ppm)	
		(Avg)	
1	12/15/2022 11:45	0.7	
2	12/15/2022 12:00	1.1	
3	12/15/2022 12:15	1.6	
4	12/15/2022 12:30	1.8	
5	12/15/2022 12:45	2.1	
6	12/15/2022 13:00	2.1	
7	12/15/2022 13:15	2	
8	12/15/2022 13:30	2	
9	12/15/2022 13:45	2	
10	12/15/2022 14:00	2.1	
11	12/15/2022 14:15	2	
12	12/15/2022 14:30	1.9	
Peak		2.1	
Min		0.7	
Average		1.8	

MOD-PAC CORP., 1801 Elmwood Avenue, Buffalo, NY
South VOC Data
December 21, 2022

=====

22/12/21 07:19

Summary

Unit Name	MiniRAE 3000 +(PGM-7320)
Unit SN	592-600822
Unit Firmware Ver	V2.22A

Running Mode	Hygiene Mode
Datalog Mode	Auto
Diagnostic Mode	No
Stop Reason	Power Down

Site ID	RAE00000
User ID	USER0000

Begin	12/21/2022 7:19
End	12/21/2022 10:00
Sample Period(s)	900
Number of Records	10

Sensor	PID(ppm)
Sensor SN	S023030303A9
Measure Type	Avg
Span	100
Span 2	1000
Low Alarm	25
High Alarm	100
Over Alarm	15000
STEL Alarm	100
TWA Alarm	50
Measurement Gas	Isobutylene
Calibration Time	12/20/2022 8:03
Peak	N/A
Min	N/A
Average	N/A

Datalog

Index	Date/Time	PID(ppm) (Avg)
1	12/21/2022 7:34	0.9
2	12/21/2022 7:49	1.5
3	12/21/2022 8:04	1.6
4	12/21/2022 8:19	1.7
5	12/21/2022 8:34	2.1
6	12/21/2022 8:49	2.7
7	12/21/2022 9:04	2.6
8	12/21/2022 9:19	2.5
9	12/21/2022 9:34	2.6
10	12/21/2022 9:49	2.5
Peak		2.7
Min		0.9
Average		2.1

**Swift
River
Associates, Inc.**

4051 RIVER ROAD

TONAWANDA, NEW YORK 14150

SCALE: (716) 875-0902 FAX: (716) 875-0088

Recycled Crushed Concrete Products

TIPPING FEE CHARGES

CUSTOMER NAME

TICKET # 096809

Calvin Bohn
Kris Oates Construction

DATE

11/4/72

TIME

9:50am

JOB #

CUSTOMER P.O. #

☐

SINGLE
AXLE

☐

TANDEM

☐

TRACTOR

☒

ROLL-OFF

125

PRODUCT CONCRETE / BLACKTOP / STONE TO DUMP

WEIGHMASTERS: S. RAWE / E. RAWE
N.Y.S. LICENSE #140331 / 601381

LOCATION:

☒

RIVER RD.

☐

LANCASTER

☐

NIAGARA FALLS

TRUCK NO.

TRUCKING CO.: *Oates*

TRUCKER'S
SIGNATURE

[Signature]



Oaks Dumpster Rental

Jen Burton
147 S Union St
Spencerport, NY 14559

<https://www.oaksdumpster.com/>
info@oaksdumpster.com

Invoice #29471

Bill To:
Lehigh Construction Group
4327 S Taylor Road
Orchard Park, NY 14127
Attn: Marcela Carlson

Job Site:
1801 Elmwood Ave
Buffalo, NY 14207

Work Order #: 26091
Date: Jan 4, 2023
Due: Feb 3, 2023
Terms:
PO: 12224

Date	Item/Description	Qty	Rate	Amount
1/3	20 Yard In: Dec 16 - \$460 plus \$125 - concrete	1	585.00	585.00
Sub Total:				585.00
Total:				\$585.00

Payments:

Date	Payment ID	Method	Reference	Amount
Open balance (this invoice):				\$585.00

[Scale Report](#)

Jen Burton
147 S Union St
Spencerport, NY
14559

<https://www.oaksdumpster.com/>
info@oaksdumpster.com

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Requested Facility: Chaffee Landfill ☐ Unsure Profile Number: 124901NY
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: MOD-PAC CORP.
- Generator Site Address: 1801 Elmwood Avenue
(City, State, ZIP) Buffalo NY 14207
- County: New York
- Contact Name: Mike Sobczynski
- Email: msobczynski@modpac.com
- Phone: (716) 667-3130 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Non-Hazardous Soil mixed with some Urban Fill
Describe Process(es) Generating Material: ☐ See Attached

Non-Hazardous Soil mixed with some Urban Fill removed from the site during various capital improvement projects and maintenance repairs. Site is currently in the site management phase of the BCP (BCP Site #915314). A Track 4 cleanup was
- Material Composition and Contaminants: ☐ See Attached

1. Soil	90.00-99.99 %
2. Concrete, Brick, Glass	0.0-10.00 %
3.	
4.	
Total comp. must be equal to or greater than 100% ≥100%	
- State Waste Codes: _____ ☒ N/A
- Color: Brown
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: _____ to _____ ☒ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☒ Yes
Please identify applicable samples and/or lab reports:

Alpha Lab Report L2203631, sample ID: WC-001
- Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

- ☒ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): C. Mark Hanna Date: 02/10/2022
Title: President
Company: Environmental Advantage, Inc.

THINK GREEN®**QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE** Revised November 06, 2020 © 2020 WM Intellectual Property Holdings, L.L.C.**B. BILLING INFORMATION**☒ SAME AS GENERATOR

- Billing Name: Environmental Advantage, Inc.
- Billing Address: 3636 North Buffalo Road
(City, State, ZIP) Orchard Park NY 14127
- Contact Name: Mark Hanna
- Email: mhanna@envadvantage.com
- Phone: (716) 667-3130 6. Fax: _____
- WM Hauled? ☐ Yes ☒ No
- P.O. Number: 01304
- Payment Method: ☒ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
 - State Hazardous Waste? ☐ Yes ☒ No
Code: _____
 - Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
 - Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
 - From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
 - Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
 - CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
 - NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
- *If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
 - Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
 - Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

- ☐ One-Time Event ☒ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 500
☒ Tons ☐ Yards ☐ Drums ☐ Gallons ☐ Other: _____
- Container Type and Size: Dump Truck
- USDOT Proper Shipping Name: _____ ☒ N/A

Certification Signature*C. Mark Hanna*

b440e4281e...



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 124901NY

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.
 completed in 2018 - 2019, with a COC issued on December 24, 2019. Previous waste profile # 120531NY.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5.		
6.		
7.		
8.		
9.		
Total composition must be equal to or greater than 100%		≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? ☐ Yes ☐ No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4. ☐ Yes ☐ No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? ☐ Yes ☐ No

→ If Yes, please check **one** of the following:

☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes: _____

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

☐ Delisted Hazardous Waste ☐ Excluded Waste under 40 CFR 261.4 → Specify Exclusion: _____

☐ Treated Hazardous Waste Debris ☐ Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue. ☐ Yes ☐ No

b. Does this material contain benzene? ☐ Yes ☐ No

1. If yes, what is the flow weighted average concentration? _____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams? ☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg

d. Is this waste soil from a remediation? ☐ Yes ☐ No

1. If yes, what is the benzene concentration in remediation waste? _____ ppmw

e. Does the waste contain >10% water/moisture? ☐ Yes ☐ No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? ☐ Yes ☐ No

g. Is material exempt from controls in accordance with 40 CFR 61.342? ☐ Yes ☐ No

→ If yes, specify exemption: _____

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? ☐ Yes ☐ No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____



Non-Hazardous WAM Approval

Requested Management Facility: Chaffee Landfill

Profile Number: 124901NY Waste Acceptance Expiration Date: 02/11/2023
Common Name: Non-Hazardous Soil mixed with some Urban... WM Regulatory Volume Limit: 500 Tons ☐ NA

APPROVAL DETAILS

Approval Decision: ☒ Approved ☐ Not Approved Profile Renewal: ☐ Yes ☒ No

Management Method: Alternate Daily Cover (ADC)

Generator Name: MOD-PAC CORP.

Profile Expiration Date: 02/11/2023

Periodic Testing Due Date: _____ ☒ NA

Other Due Date: _____ ☒ NA (Specify) _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

Generator Conditions

- Shall not contain free liquids.
- Shipment must be scheduled into the disposal facility at least 24 hours in advance. Contact information will be provided by your TSR.
- Waste manifest or applicable shipping document must accompany load.
- The waste profile number must appear on the shipping papers.

Mallare Trucking

9A-738

WM Authorization Name: Andrew Argona Title: Waste Approval Manager

WM Authorization Signature: *Andrew Argona* Date: 02/11/2022

Agency Authorization (if Required): _____ Date: _____

THINK GREEN®

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

Last Revised January 25, 2018
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Waste Management Chaffee LF
10860 Olean Rd
Chaffee, NY, 14030
Ph: (716) 496-5000

Reprint
Ticket# 739189

Customer Name ENVIRONMENTALADVANTAGE-124901 Carrier DW DIRT WORKS
Ticket Date 01/16/2023 Vehicle# 1011 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0005315
State Waste Code Gen EPA ID NOT REQUIRED
Manifest 01304
Destination
PO 01304
Profile 124901NY (NON HAZARDOUS SOIL MIXED WITH SOME URBAN FILL)
Generator 190-MODPAC MOD PAC

	Time	Scale	Operator	Inbound	Gross	
In	01/16/2023 10:40:02	INBOUND	JChapma7		Tare	57180 lb
Out	01/16/2023 10:40:02		JChapma7		Net	29400 lb
					Tons	27780 lb
						13.89

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil RCG-Tons	100	13.89	Tons				ERI

Total Fees
Total Ticket

Driver`s Signature _____4E5-1500

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of 1		3. Emergency Response Phone 714-667-330		4. Waste Tracking Number 01304			
		5. Generator's Name and Mailing Address MOD-PAC CORP/BCP# C915314 1801 Elmwood Avenue Buffalo, NY 14207 Generator's Phone: 714-673-0640		Generator's Site Address (if different than mailing address)							
GENERATOR		6. Transporter 1 Company Name Dirt Works, Inc.						U.S. EPA ID Number 9A-986			
		7. Transporter 2 Company Name						U.S. EPA ID Number			
DESIGNATED FACILITY		8. Designated Facility Name and Site Address WM of New York at Chaffee Landfill 10860 Olean Road Chaffee, NY 14030 Facility's Phone: 714-496-5192						U.S. EPA ID Number			
		9. Waste Shipping Name and Description 1. NON DOT Regulated Material WM Profile # 124901 NY						10. Containers No. Type 1 DT		11. Total Quantity EST. 20	
INT'L		13. Special Handling Instructions and Additional Information 124901 NY - Non-Hazardous Soil Mixed with Urban Fill * Weight is Estimated *									
		14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
TRANSPORTER		Generator's/Offor's Printed/Typed Name Mary Szustak on behalf of MOD-PAC CORP						Signature Mary M Szustak		Month Day Year 1 16 23	
		15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.						Port of entry/exit: Date leaving U.S.:			
DESIGNATED FACILITY		16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Luis Groh						Signature [Signature]		Month Day Year 1 16 23	
		Transporter 2 Printed/Typed Name						Signature		Month Day Year	
DESIGNATED FACILITY		17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
		17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number						Facility's Phone:			
DESIGNATED FACILITY		17c. Signature of Alternate Facility (or Generator)						Month Day Year			
		18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name [Signature]									
DESIGNATED FACILITY		Signature [Signature]						Month Day Year 1 16 23			
		DESIGNATED FACILITY TO GENERATOR									



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 10 sieve?

Does it contain less than 10%, by weight, material that would pass a size 100 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

Material is Virgin 2-inch Crushed Limestone Subbase material, supplied from a commercial source, New Enterprise Stone & Lime Co., Inc., Como Park Boulevard quarry. Applicable Sieve Analysis and Proctor are attached. Samples are not required for virgin stone as per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Lehigh Construction, Marc Irace (customer to NESL)

Location where fill was obtained:

500 Como Park Boulevard. Buffalo, NY 14227

Identification of any state or local approvals as a fill source:

NYSDOT Approved Source

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Sieve and Proctor for pre-approved stockpile 5-3R

The information provided on this form is accurate and complete.

Mary Szusatk Digitally signed by Mary Szusatk
Date: 2023.01.06 16:34:19
-05'00'

Signature

1/6/2023

Date

Mary Szustak

Print Name

Environmental Advantage, Inc.

Firm



NEW ENTERPRISE STONE & LIME CO., INC.

500 Como Park Boulevard • Buffalo NY 14227

Office: (716) 826-7310

Fax: (716) 826-1342

Dispatch: (716) 566-9690

December 21, 2022

Mr. Marc Irace
Lehigh Construction
4327 S. Taylor Rd.
Orchard Park N.Y.

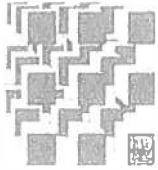
Re: Modpac

Dear Marc,

The Crushed Limestone Subbase material to be supplied to the above referenced project was extracted, crushed, and screened at our Lancaster, NY facility. The material is produced from a virgin stone source, un-impacted by hazardous materials or contaminants and free of loam, organic matter including clay. The Quarry is a NYSDOT approved source; the source number is 5-3R.

Sincerely,

Curt Resetarits
Vice President, Sales



CME
Associates, Inc.

2727 Broadway St., Suite 2
Cheektowaga, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

Page 1 of 3

LAB REPORT SUMMARY

PROJECT: NESL Source Pre-Qual 2021

REPORT NO.: 17330L-05

CLIENT: NESL

REPRESENTATIVE: Austin Glasier

DATE: 04/29/2022

This CME Associates, Inc representative performed a sieve analysis and moisture density test (Modified Proctor) on a 2" R.O.C. sample delivered to CME's Buffalo laboratory on 04/13/2022. Tests were performed according to ASTM standards C136, C117, and D1557.

The following table distinguishes your sample from some common NYSDOT items:

Sample No.: BL3134 Location: Source #5-3R

MECHANICAL ANALYSIS (ASTM C136, C117)

Sieve Size	Percent Passing by Weight Sample BL3134	Item 304.12 Subbase Type II	Item 203.07 Select Granular Fill	Item 203.25 Sand Backfill	Item 605.0901 Underdrain Filter Type 1
4"	100		100		
2"	100	100			
1"	94				100
3/4"	86				
1/2"	68			100	30-100
3/8"	58				
1/4"	46	25-60		90-100	0-30
No. 4	40				
No. 10	23				0-10
No. 40	10	5-40	0-70		
No. 80	8				
No. 200	6	0-10	0-15	0-5	0-5

CLASSIFICATION

Gray cmf Gravel; some cmf Sand; trace Silt/Clay

LABORATORY MOISTURE-DENSITY RELATIONSHIP (ASTM D1557)

Corrected Maximum Dry Density	=	143.1	Pcf
Corrected Optimum Moisture Content	=	5.5	%

It is recommended the engineer of record review and comment on the use of this material. Please see attached documents for lab test results.

Feel free to contact this office should you have any questions.

A New York State Certified Woman Owned Business Enterprise (WBE)



2727 Broadway Ave, Suite #2
Buffalo, New York 14227
(716) 877-9577
(716) 877-9629 (Fax)

www.cmeassociates.com

LABORATORY TEST SUMMARY

NUSL

NUSL Source Pre-Qual 2021

CME Report Number: 17330L-05

4/29/2022

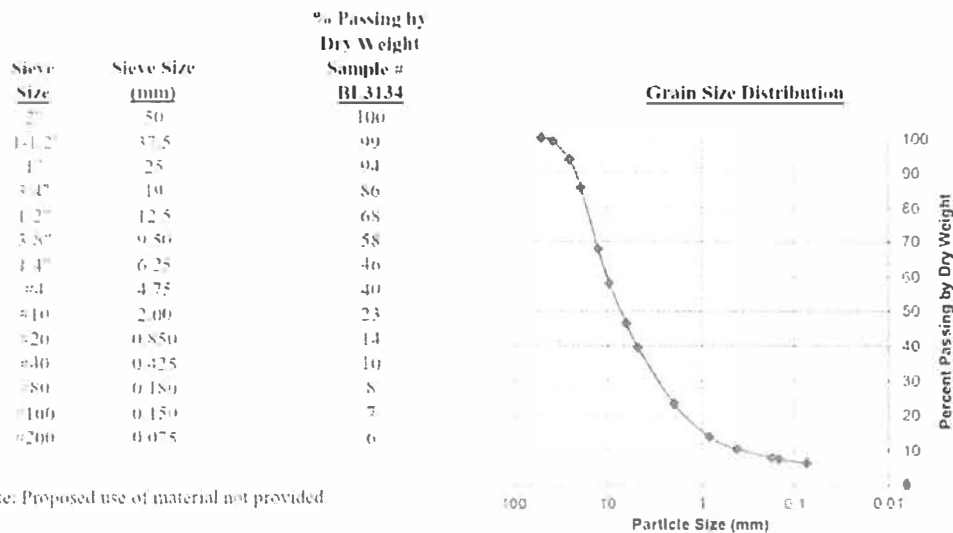
Page 2 of 3

The CME Associates Representative obtained a sample at the above referenced project. The sample was delivered to CME's Buffalo Facility, an AASHTO¹ accredited laboratory, for a Particle Size Analysis and a Moisture Density Relationship determination. The results are as follow:

1) Material Identification

Sample #	Date Sampled	Classification	Source
BL 3134	04/13/22	Gray cml Gravel, some cml Sand, trace Silt Clay	Source #5-3R

2) Particle Size Analysis ASTM D422



Note: Proposed use of material not provided

3) Moisture Density Relationship (ASTM D-1557: Modified Proctor)

	Sample # BL 3134
Corrected Maximum Dry Density (pcf)	= 143.1
Corrected Optimum Moisture Content (%)	= 5.5
Oversized Particles, Percent by Weight (%)	= 14 *

* Particles retained on 3/4-inch sieve

¹AASHTO - American Association of State Highway & Transportation Officials (AASHTO) Materials Reference Laboratory.
CME Buffalo accreditation includes tests of Portland Cement Concrete, Aggregate and Soil Materials. www.aashtoresource.org

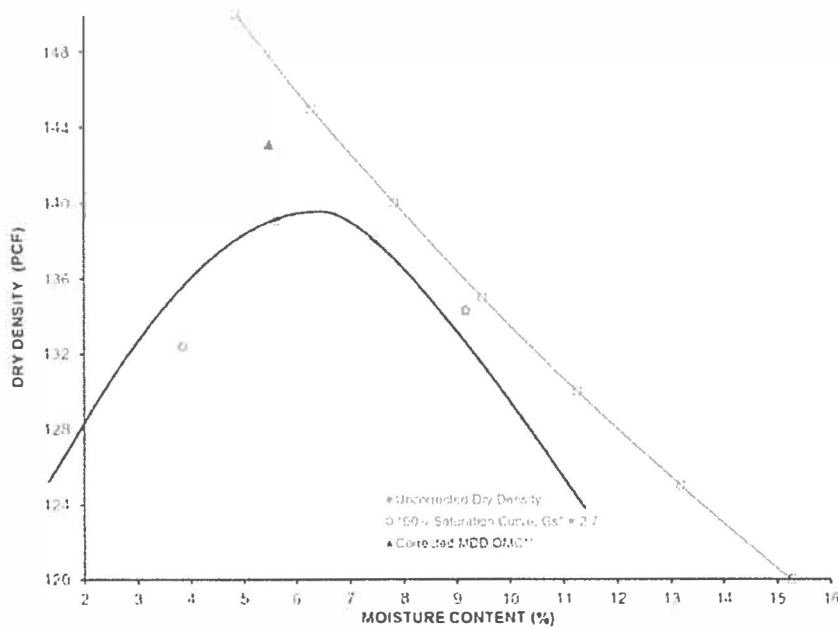


LABORATORY TEST SUMMARY
NFSI
NFSI Source Pre-Qual 2021
CME Report Number: 17330L-05
Page 3 of 3



SAMPLE LOCATION	Source #5.3R	DATE SAMPLED:	4/13/22
SOIL CLASSIFICATION	Gray cmf Gravel; some cmf Sand; trace Silt/Clay	SAMPLE NO.:	BL 3134

Moisture - Density Relationship Curve



Particle Size Analysis ASTM D422

Sieve Size	% Passing
2"	100
1-1/2"	99
1"	94
3/4"	86
1/2"	68
3/8"	58
1/4"	46
No. 4	40
No. 10	23
No. 20	14
No. 40	10
No. 80	8
No. 100	7
No. 200	6

Test Procedure Information

Test Method ☒ ASTM D-1557 (Modified) ☐ ASTM D-698 (Standard)
Procedure Used ☒ A ☐ B ☒ C
Preparation Method ☐ Dry ☒ Moist
Description of Rammer ☒ Manual ☐ Mechanical

Test Results

Corrected MDD (PCF) = 143.1
Corrected OMC (%) = 5.5

Over-size Fraction by Dry Weight

14 % Retained on ☐ No. 4 Sieve ☐ 3/8" Sieve ☒ 3/4" Sieve

* Specific Gravity, estimated

** MDD = Maximum Dry Density, OMC = Optimum Moisture Content

Please feel free to contact our office if you have any questions.

Austin Glaser
Laboratory Technician

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

January 9, 2023

Mary Szustak
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127

Re: Site Management (SM) –
Import Request
MOD-PAC CORP., Buffalo
Erie County, Site No.: **C915314**

Dear Mary Szustak:

The Department has reviewed your request dated January 6, 2023 to import approximately 50 cubic yards of 2" Crushed Limestone from New Enterprise Stone & Lime Co., Inc. Based on the information provided, the request is hereby approved.

The proposed fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Therefore, this material may be placed below the demarcation barrier or above the demarcation layer as part of final site cover.

Testing in accordance with DER-10 and approval by the Department is required for any additional material imported from this source.

If you have any questions, please contact me at 716-851-7220 or email: megan.kuczka@dec.ny.gov.

Sincerely,



Megan Kuczka
Environmental Program Specialist – 1

cc: Daniel Keane – MOD-PAC CORP.
Mark Hanna – Environmental Advantage, Inc.



MPC FOUNDATION CUTTING 12/15/2022

- ARRIVE ON SITE @ 09:45, SET UP "SOUTH" & "NORTH" CAMPS AT 10:00.
- NO WORK WAS PERFORMED BY LEHIGH BETWEEN 0930 AND 10:30 NOTE: POLY SHEETING COMPLETELY SURROUNDS WORK SPACE
- 10:30: LEHIGH BEGINS REMOVING SUSPECTED SEWER PIPE w/ JACKHAMMER ATTACHMENT ON KUBOTA KX04-04 EXCAVATOR + SAWCUTTING
- 11:00 SOIL/CONCRETE LOADOUT BEGINS
- 11:15 WORK PAUSES TO TAKE DEBRIS TO STAGING AREA
- 11:25 SOIL/CONCRETE LOADOUT RESUMES
- 11:28 WORK PAUSES TO TAKE "
- 11:34 LOADOUT RESUMES
- 11:36 WORK PAUSES TO REMOVE
- 11:41 LOADOUT RESUMES
- 11:47: SOIL EXCAVATION
- 12:00 WORK PAUSE FOR LUNCH
- 12:30 RESUME SOIL LOADOUT
- 13:00 CONCRETE REMOVAL ANTICIPATED ~~FOR NEXT~~ TILL MON OR TUES
- EA INSTRUCTED MPC & LEHIGH TO COVER ANY EXPOSED SOIL w/ POLY WHILE REMOVING CONCRETE.
- EA LEFT THE SITE @ 13:30

MPC FOUNDATION CUTTING 12/21/2022

- ON SITE @ 0700 TO SET UP 'NORTH' & 'SOUTH' LOCATION CAMPS ADJACENT TO WORKSPACE LOCATIONS
- CONCRETE LOADOUT STARTED @ 0730
- SOIL LOADOUT STARTED @ 0830
- LEHIGH REMOVED SOIL TILL 1030 / FINAL EXCAVATION LIMITS ~ 10' x 30' x 1-3' DEEP
- LEHIGH BACKFILLED W/ STONE FROM NESL
- EA OFFSITE @ 1045

CARBON ACTIVATED CORP.

3774 Hoover Road
Blasdell, NY 14219
Phone: (716) 677-6661
Fax: (716) 677-6663
E-mail: callen@activatedcarbon.com
Website: www.carbonactivatedcorp.com

Spent Carbon Profile Form

Date: 10/23/2020

Generator Information:

1) Generator: MOD-PAC CORP Mailing Address: 1801 Elmwood Avenue,
Buffalo, NY 14207 Contact: Tony Barberic, Maintenance Manager
Phone No.: (716) 873-0640

Site Information:

2) Site Name: MOD-PAC Corp Address: 1801 Elmwood Avenue, Buffalo, NY
14207 EPA ID No.: _____
Phone No.: (716) 873-0640 Fax No.: _____

Consultant Information:

3) Consultant Firm: Environmental Advantage, Inc. Contact: Mark Hanna
Phone No.: (716) 667-3130 Fax No.: (716) 667-3156

4)

a) Is the media NSF standardized Yes ☐ No ☒

b) Original Manufacturer / Regenerator- ENCOTECH Carbon Services out of PA.

c) Provide a specific description of the process that generated the spent carbon including Constituents being treated also note if it was use for potable water or food processing Applications.

The Spent Carbon was generated through the treatment of soil vapors extracted from underneath the MODPAC Corp. building slab. Chlorinated Solvents were identified underneath the building slab during Brownfield Remedial work. As part of the BCP site remediation, a sub-slab depressurization system was installed as an engineering control. TCLP analysis was completed on the spent carbon. Alpha Analytical Laboratory Report has been provided.

5) a) Type of Carbon: ☒ Coal ☐ Coconut ☐ Other _____

b) Mesh Size. unknown

- 6 a) Type of Carbon ☐ Wet ☒ Vapor ☐ Impregnated
b) Percent of free Liquids Range: ☒ 0% ☐ 1-15% ☐ other: _____
- 7) Liquid Flash Point: ☐ <140 F ☐ > 140F ☒ N/A
- 8) Foreign Material: ☐ Yes ☒ No 9) pH Range: ☐ < 2 ☐ 2-4 ☒ 4-10 ☐ > 10
(Rocks, dirt, sand, etc....)
- 10) Is Spent Carbon Generated at a Subpart FF Facility? (Benzene NESHAP) ☐ Yes ☒ No
(If yes a Total Benzene Analysis is required)
- 11) Does Carbon have a Strong Odor? ☐ Yes ☒ No Describe Type: _____

12) Does the spent Carbon contain any of the following?

- Polychlorinated Biphenyls (PCB's) ☐ Yes ☒ No
- Dioxins and or Furans ☐ Yes ☒ No
- Dibromochloropropane (DBCP) ☐ Yes ☒ No
- Sulfide or Cyanide ☐ Yes ☒ No
- Explosive Pyrophoric/Radioactive Material ☐ Yes ☒ No
- Infectious Material ☐ Yes ☒ No
- Shock Sensitive Material ☐ Yes ☒ No
- Oxidizer ☐ Yes ☒ No
- Heavy Metals ☐ Yes ☒ No

Generator Classification of Spent Carbon:

- 13) Is Spent Carbon a RCRA Hazardous Waste? ☐ Yes ☒ No
RCRA Hazardous Waste requires 11 RCRA Analysis
(If you answered then list waste code(s) below:

- 14) Is spent Carbon a State Hazardous Waste? ☐ Yes ☒ No
(If you answered then list waste code(s) below:

- 15) Is Waste subject to Land Disposal Restriction? ☐ Yes ☒ No

16) If this is a renewal please provide existing profile approval number: N/A

17) Estimated Annual Carbon Usage for this Site: 1,000 lbs

Generator Certification:

I hereby certify that all information on this form, and attached documents are true. Also that this information accurately describes the subject spent carbon. I further certify that all samples analyses submitted are a representative of the subject spent carbon in accordance with the procedures established in 40 CFR 261 Appendix I or by using an equivalent method. All relevant information regarding either known or suspected hazards in the possession of the generator has been disclosed. I authorize Carbon Activated Corporation to obtain a sample from any waste shipment for the purpose of confirming or for further investigation. If I am an consultant signing on the behalf of the generator, I have their full approval to do so.

Mary M. Szustak on behalf of MOD-PAC CORP.
Printed Name

Mary M Szustak
Signature

Sr. Project Scientist/Site Services Team Lead
Title

10/23/2020
Date

Submit the profile form and analytical reports via Fax or Mail to the below address or fax. If mailed copy this form and analytical information for your records.

CARBON ACTIVATED CORPORATION
3774 Hoover Road, Blasdel NY 14210

Tel. 716 821 7830 Fax 716 821 0790 email : callen@activatedcarbon.com

For Internal Use Only

Profile Approval Number:

Valid Through:

Approved By: Christopher Allen



ANALYTICAL REPORT

Lab Number:	L2269433
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	MPC SPENT CARBON WASTE CHAR
Project Number:	01304
Report Date:	12/22/22

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: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2269433-01	WC-001	SOLID	1801 ELMWOOD AVE	12/09/22 13:22	12/09/22

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Case Narrative

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

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

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

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

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

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

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

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.

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: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 12/22/22

ORGANICS

VOLATILES

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

SAMPLE RESULTS

Lab ID: L2269433-01
Client ID: WC-001
Sample Location: 1801 ELMWOOD AVE

Date Collected: 12/09/22 13:22
Date Received: 12/09/22
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8260D
Analytical Date: 12/21/22 20:36
Analyst: MCM

TCLP/SPLP Ext. Date: 12/20/22 11:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	8.4		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	17		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	109		70-130

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
 Analytical Date: 12/21/22 15:42
 Analyst: MCM
 TCLP/SPLP Extraction Date: 12/20/22 11:12

Extraction Date: 12/20/22 11:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1726456-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MPC SPENT CARBON WASTE CHAR

Project Number: 01304

Lab Number: L2269433

Report Date: 12/22/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1726456-3 WG1726456-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		100		63-132	10		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		25
1,2-Dichloroethane	95		96		70-130	1		20
Benzene	110		110		70-130	0		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	100		100		61-145	0		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
2-Butanone	84		90		63-138	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		97		70-130
dibromofluoromethane	99		101		70-130

Project Name: MPC SPENT CARBON WASTE CHAR**Lab Number:** L2269433**Project Number:** 01304**Report Date:** 12/22/22**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(*)
L2269433-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.8	Y	Absent		TCLP-EXT-ZHE(14)
L2269433-01X	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Y	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)
L2269433-01Z	Vial unpreserved Extracts	A	NA		2.8	Y	Absent		TCLP-VOA(14)

Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MPC SPENT CARBON WASTE CHAR
Project Number: 01304

Lab Number: L2269433
Report Date: 12/22/22

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625/625.1: alpha-Terpineol

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

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

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

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

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

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

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

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

Non-Potable Water

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

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

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

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

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

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water

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

EPA 522, EPA 537.1.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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



DIRT WORKS INC.

11518 Jamison Road
East Aurora, NY 14052

716-863-1744

email: dirtworks27@yahoo.com
www.dirtworkswny.com

Invoice #
637

JOB # _____

CUSTOMER	Environmental Advantage	DATE	1-26-23
LOAD LOCATION	DUMP LOCATION		

TRUCK # & DRIVER	Stake Lucas	JOB START	9:00 9:00
<input type="checkbox"/> DUMP TRUCK SERVICE		JOB FINISH	10:45
<input type="checkbox"/> DUMP TRAILER SERVICE		TRAVEL TIME	1hr
<input checked="" type="checkbox"/> OTHER Stake Truck		<input type="checkbox"/> LUNCH	<input checked="" type="checkbox"/> NO LUNCH
MATERIAL HAULED	3 Drums	TOTAL	

LD #	TICKET #	WEIGHT	WAIT TIME ON JOB		REMARKS SPECIFY: ON "HOLD" @ PLANT, TOLLS, DUMP LOCATIONS, ETC.
			IN	OUT	
1			-		3 Drums
2			-		
3			-		
4			-		
5			-		
6			-		
7			-		
8			-		
9			-		
10			-		
11			-		
12			-		
13			-		
14			-		
15			-		

OUR RESPONSIBILITY ENDS AT THE CURB

CUSTOMER'S SIGNATURE: _____

OFFICE - White & Yellow • CUSTOMER - Pink

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 716-667-3300	4. Waste Tracking Number 01304
5. Generator's Name and Mailing Address MOD-PAC CORP/BOP #C915314 180 Elmwood Avenue Buffalo, NY 14207 Generator's Phone: 716-873-0040			Generator's Site Address (if different than mailing address) Same		
6. Transporter 1 Company Name Dirt Works, Inc.			U.S. EPA ID Number 9A-986		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address Carbon Activated Corporation 3774 Hoover Rd Blissfield, NY 14219 Facility's Phone: 716-667-6661			U.S. EPA ID Number		
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. NON RCRA, NON DOT, NON REGULATED (NON-HAZARDOUS spent OAC for Recycle)		3	DM	EST. 1,350	P
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information Approval # SPA-PV-20-015 Re-Determined B.U.D. under CONYCR 300.12(c)(4)(i)					
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Mary Szustak on behalf of MOD-PAC CORP			Signature Mary M Szustak		Month Day Year 1 26 23
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Lucas Gosh			Signature		Month Day Year 1 26 23
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
17b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a					
Printed/Typed Name			Signature		Month Day Year

TRANSPORTER #2

APPENDIX G

DATA USABILITY SUMMARY REPORTS

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

MOD-PAC Corp, Buffalo, NY
Alpha Analytical SDG#L2318220
May 2, 2023
Sampling date: 4/6/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

MOD-PAC Corp, Buffalo, NY
SDG# L2318220

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, project located at MOD-PAC Corp, Buffalo, NY, Alpha Analytical SDG#L2318220 submitted to Vali-Data of WNY, LLC on April 14, 2023. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using the USEPA method Volatile Organics (8260D).

ID	Sample ID	Laboratory ID
1	MW-3 (040623)	L2318220-01
2	MW-11 (040623)	L2318220-02
3	MW-11 (040623) DUPLICATE	L2318220-03
4	MW-12 (040623)	L2318220-04
5	MW-13 (040623)	L2318220-05
6	RINSATE BLANK (040623)	L2318220-06
7	TRIP BLANK (040623)	L2318220-07

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD, Initial Calibration and Continuing Calibration.

MOD-PAC Corp, Buffalo, NY

SDG# L2318220

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Carbon tetrachloride and Cyclohexane were outside QC limits, high in DUSR ID#4MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION

All the criteria were met.

INITIAL CALIBRATION

All criteria were met except several target analytes were outside QC limits in the initial calibrations and initial calibration verifications and should be qualified as estimated in the associated samples, spikes and blanks.

ICal/ICV instrument	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICal/ICV VOA122	1,4-Dioxane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	1,1,2-Trichloroethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	Bromochloromethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	1,1-Dichloroethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	cis-1,2-Dichloroethene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	Bromodichloromethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	cis-1,3-Dichloropropene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	4-Methyl-2-pentanone	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	Trichloroethene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	Chlorodibromomethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	1,2-Dibromoethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	1,2,3-Trichlorobenzene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
ICal/ICV VOA122	1,2,4-Trichlorobenzene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

CONTINUING CALIBRATION

All criteria were met except several target analytes were outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1765623-2	1,4-Dioxane	RRF/22.8	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	1,1,2-Trichloroethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	Bromochloromethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	1,1-Dichloroethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	cis-1,2-Dichloroethene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	Bromodichloromethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
WG1765623-2	cis-1,3-Dichloropropene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	4-Methyl-2-pentanone	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	Trichloroethene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	Chlorodibromomethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	1,2-Dibromoethane	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	1,2,3-Trichlorobenzene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD
WG1765623-2	1,2,4-Trichlorobenzene	RRF	UJ/J	WG1765623, 1-7, 4MS/MSD

Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

GC/MS PERFORMANCE CHECK

All criteria were met.

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304

Lab Number: L2318220
Report Date: 04/12/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: CY2023 APRIL GW SAMPLING
Project Number: 01304


Lab Number: L2318220
Report Date: 04/12/23

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.

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: 

Report Date: 04/12/23

Title: Technical Director/Representative



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Client Sample ID : MW-12 (040623)
 Lab Sample ID : L2318220-04
 Matrix Spike : WG1765623-6
 Matrix Spike Dup : WG1765623-7

Lab Number : L2318220
 Project Number : 01304
 Matrix (Level) : WATER (LOW)
 Analysis Date : 04/12/23 01:58
 MS Analysis Date : 04/12/23 06:11
 MSD Analysis Date : 04/12/23 06:36

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Methylene chloride	ND	10	12	120	10	11	110	9	70-130	20
1,1-Dichloroethane	ND	10	12	120	10	12	120	0	70-130	20
Chloroform	ND	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	ND	10	14	140 Q	10	14	140 Q	0	63-132	20
1,2-Dichloropropane	ND	10	12	120	10	12	120	0	70-130	20
Dibromochloromethane	ND	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	ND	10	9.6	96	10	9.6	96	0	70-130	20
Tetrachloroethene	ND	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	ND	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	ND	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	ND	10	12	120	10	12	120	0	70-130	20
1,1,1-Trichloroethane	ND	10	13	130	10	12	120	8	67-130	20
Bromodichloromethane	ND	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	ND	10	8.8	88	10	8.8	88	0	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
Bromoform	ND	10	8.5	85	10	8.7	87	2	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.1	91	10	9.0	90	1	67-130	20
Benzene	ND	10	12	120	10	12	120	0	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	10	100	10	10	100	0	70-130	20
Chloromethane	ND	10	13	130	10	13	130	0	64-130	20
Bromomethane	ND	10	9.4	94	10	10	100	6	39-139	20



Matrix Spike Sample Summary

Form 3

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Client Sample ID : MW-12 (040623)
 Lab Sample ID : L2318220-04
 Matrix Spike : WG1765623-6
 Matrix Spike Dup : WG1765623-7

Lab Number : L2318220
 Project Number : 01304
 Matrix (Level) : WATER (LOW)
 Analysis Date : 04/12/23 01:58
 MS Analysis Date : 04/12/23 06:11
 MSD Analysis Date : 04/12/23 06:36

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R			
Isopropylbenzene	ND	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	ND	10	12	120	10	12	120	0	70-130	20
Cyclohexane	ND	10	14	140 Q	10	14	140 Q	0	70-130	20
1,4-Dioxane	ND	500	570	114	500	600	120	5	56-162	20
Freon-113	ND	10	13	130	10	13	130	0	70-130	20
Methyl cyclohexane	ND	10	12	120	10	11	110	9	70-130	20

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-01
 Client ID : MW-3 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:06
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 03:14
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.41	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-01
 Client ID : MW-3 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N19
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:06
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 03:14
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	0.92	2.5	0.70	J
79-01-6	Trichloroethene	120	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	17	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-01	Date Collected	: 04/06/23 09:06
Client ID	: MW-3 (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 03:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N19	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-02
 Client ID : MW-11 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:45
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 02:49
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	10	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.39	0.50	0.17	J



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-02
 Client ID : MW-11 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N18
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:45
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 02:49
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	16	2.5	0.70	
79-01-6	Trichloroethene	19	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	10	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-02	Date Collected	: 04/06/23 09:45
Client ID	: MW-11 (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 02:49
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N18	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-03
 Client ID : MW-11 (040623) DUPLICATE
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:45
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 02:24
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	11	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.40	0.50	0.17	J



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-03
 Client ID : MW-11 (040623) DUPLICATE
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N17
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 09:45
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 02:24
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	17	2.5	0.70	
79-01-6	Trichloroethene	18	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	10	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-03	Date Collected	: 04/06/23 09:45
Client ID	: MW-11 (040623) DUPLICATE	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 02:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N17	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-04
 Client ID : MW-12 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 10:57
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:58
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-04
 Client ID : MW-12 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N16
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 10:57
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:58
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-04	Date Collected	: 04/06/23 10:57
Client ID	: MW-12 (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 01:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N16	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-05
 Client ID : MW-13 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 11:35
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:33
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	15	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.22	0.50	0.17	J



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-05
 Client ID : MW-13 (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N15
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 11:35
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:33
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	32	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	42	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-05	Date Collected	: 04/06/23 11:35
Client ID	: MW-13 (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 01:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N15	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-06
 Client ID : RINSATE BLANK (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 13:00
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:08
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-06
 Client ID : RINSATE BLANK (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N14
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 13:00
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 01:08
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-06	Date Collected	: 04/06/23 13:00
Client ID	: RINSATE BLANK (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 01:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-07
 Client ID : TRIP BLANK (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 13:00
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 00:43
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Lab ID : L2318220-07
 Client ID : TRIP BLANK (040623)
 Sample Location : MOD-PAC CORP, BUFFALO NY
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : V22230411N13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2318220
 Project Number : 01304
 Date Collected : 04/06/23 13:00
 Date Received : 04/06/23
 Date Analyzed : 04/12/23 00:43
 Dilution Factor : 1
 Analyst : MJV
 Instrument ID : VOA122
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: L2318220-07	Date Collected	: 04/06/23 13:00
Client ID	: TRIP BLANK (040623)	Date Received	: 04/06/23
Sample Location	: MOD-PAC CORP, BUFFALO NY	Date Analyzed	: 04/12/23 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V22230411N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: WG1765623-5	Date Collected	: NA
Client ID	: WG1765623-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/11/23 21:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V22230411N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: WG1765623-5	Date Collected	: NA
Client ID	: WG1765623-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/11/23 21:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V22230411N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Environmental Advantage, Inc.	Lab Number	: L2318220
Project Name	: CY2023 APRIL GW SAMPLING	Project Number	: 01304
Lab ID	: WG1765623-5	Date Collected	: NA
Client ID	: WG1765623-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 04/11/23 21:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V22230411N05	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Initial Calibration Summary

Form 6

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Calibration dates : 03/13/23 13:58 03/13/23 17:42

Lab Number : L2318220
 Project Number : 01304
 Ical Ref : ICAL19808

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
 L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.149	0.161	0.138	0.137	0.117	0.124	0.124	0.136	11.44
3) TP Chloromethane		0.188	0.208	0.170	0.162	0.145	0.146	0.146	0.167	14.46
4) TC Vinyl chloride	0.170	0.206	0.225	0.193	0.186	0.165	0.168	0.166	0.185	11.88
5) TP Bromomethane		0.137	0.116	0.096	0.095	0.095	0.102	0.108	0.107	14.58
6) TP Chloroethane		0.152	0.154	0.129	0.122	0.109	0.111	0.110	0.127	15.25
7) TP Trichlorofluor		0.229	0.250	0.221	0.219	0.198	0.201	0.203	0.217	8.47
8) TP Ethyl ether		0.055	0.057	0.055	0.053	0.051	0.050	0.053	0.053	4.37
10) TC 1,1-Dichloroet		0.136	0.158	0.135	0.128	0.118	0.119	0.121	0.131	10.76
11) TP Carbon disulfide		0.419	0.477	0.404	0.386	0.351	0.362	0.368	0.395	10.90
12) TP Freon-113		0.139	0.162	0.141	0.140	0.124	0.130	0.133	0.138	8.75
13) TP Iodomethane			0.089	0.109	0.140	0.148	0.152	0.155	*L	0.9986
14) TP Acrolein			0.016	0.015	0.014	0.014	0.013	0.014	0.015	7.46
15) TP Methylene chlo		0.169	0.177	0.153	0.144	0.132	0.131	0.134	0.148	12.50
17) TP Acetone			0.045	0.031	0.026	0.023	0.023	0.024	*L	0.9989
18) TP trans-1,2-Dich		0.160	0.176	0.150	0.145	0.131	0.132	0.134	0.147	11.40
19) TP Methyl acetate			0.075	0.061	0.056	0.054	0.052	0.055	0.059	14.38
21) TP Methyl tert butyl ether		0.214	0.238	0.244	0.244	0.246	0.241	0.253	0.240	5.17
22) TP tert-Butyl alc		0.007	0.008	0.008	0.008	0.007	0.007	0.008	0.008#	5.92
24) TP Diisopropyl ether		0.351	0.374	0.366	0.377	0.386	0.384	0.402	0.377	4.27
25) TP 1,1-Dichloroet		0.301	0.332	0.284	0.267	0.246	0.244	0.249	0.274#	12.03
26) TP Halothane		0.099	0.118	0.111	0.110	0.102	0.104	0.107	0.107	6.22
27) TP Acrylonitrile		0.035	0.033	0.032	0.030	0.028	0.028	0.029	0.031	9.26
28) TP Ethyl tert-but		0.301	0.326	0.329	0.343	0.359	0.357	0.378	0.342	7.48
29) TP Vinyl acetate		0.226	0.214	0.208	0.214	0.233	0.232	0.253	0.226	6.89
30) TP cis-1,2-Dichlo		0.170	0.190	0.165	0.155	0.142	0.142	0.144	0.158#	11.20
31) TP 2,2-Dichloropr		0.230	0.251	0.218	0.207	0.186	0.186	0.188	0.210	12.02
32) TP Bromochloromet		0.078	0.085	0.077	0.072	0.066	0.065	0.067	0.073#	10.28
33) TP Cyclohexane		0.259	0.299	0.280	0.284	0.254	0.263	0.269	0.272	5.84
34) TC Chloroform		0.289	0.317	0.260	0.245	0.226	0.226	0.232	0.256	13.60
35) TP Ethyl acetate			0.072	0.075	0.077	0.079	0.076	0.081	0.077	3.99
36) TP Carbon tetrachloride	0.143	0.164	0.202	0.191	0.192	0.180	0.185	0.191	0.181	10.43
37) TP Tetrahydrofuran			0.031	0.027	0.022	0.021	0.021	0.022	0.024	17.02
38) S Dibromofluoromethane	0.336	0.349	0.330	0.307	0.288	0.277	0.275	0.276	0.305	9.95
39) TP 1,1,1-Trichlor		0.210	0.250	0.223	0.223	0.202	0.202	0.207	0.217	7.82
41) TP 2-Butanone			0.044	0.034	0.033	0.034	0.033	0.034	0.035	12.15



Initial Calibration Summary

Form 6

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Calibration dates : 03/13/23 13:58 03/13/23 17:42

Lab Number : L2318220
 Project Number : 01304
 Ical Ref : ICAL19808

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
 L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP 1,1-Dichloropr		0.151	0.185	0.182	0.206	0.191	0.195	0.198	0.187	9.58
44) TP Benzene	0.484	0.491	0.539	0.539	0.536	0.512	0.510	0.518	0.516	4.13
45) TP Tertiary-Amyl Methyl Ether		0.262	0.275	0.273	0.284	0.288	0.286	0.306	0.282	4.91
46) S 1,2-Dichloroethane-d4	0.326	0.338	0.327	0.305	0.284	0.284	0.281	0.289	0.304	7.57
47) T 1,2-Dichloroet		0.186	0.195	0.176	0.167	0.157	0.153	0.159	0.170	9.22
50) TP Methyl cyclohe		0.237	0.257	0.236	0.249	0.236	0.246	0.259	0.246	4.03
51) TP Trichloroethene	0.172	0.164	0.163	0.150	0.154	0.147	0.148	0.155	0.157#	5.73
53) TP Dibromomethane		0.078	0.087	0.081	0.077	0.072	0.072	0.075	0.077	6.84
54) TC 1,2-Dichloropr		0.117	0.145	0.145	0.146	0.139	0.139	0.143	0.139	7.30
56) TP 2-Chloroethyl		0.047	0.051	0.054	0.056	0.056	0.055	0.058	0.054	6.88
57) TP Bromodichlorom		0.171	0.192	0.186	0.188	0.180	0.178	0.184	0.183#	3.75
60) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.89
61) TP cis-1,3-Dichlo		0.179	0.199	0.209	0.218	0.213	0.211	0.219	0.207#	6.78
62) I Chlorobenzene-d5	-----ISTD-----									
63) S Toluene-d8	1.279	1.285	1.291	1.336	1.338	1.335	1.317	1.302	1.310	1.87
64) TC Toluene		0.392	0.462	0.443	0.449	0.433	0.429	0.439	0.435	5.07
65) TP 4-Methyl-2-pen			0.024	0.026	0.026	0.026	0.025	0.025	0.025#	3.59
66) TP Tetrachloroethene		0.154	0.174	0.166	0.174	0.167	0.169	0.179	0.169	4.83
68) TP trans-1,3-Dich		0.205	0.228	0.247	0.268	0.268	0.260	0.268	0.249#	9.88
70) TP Ethyl methacry		0.144	0.149	0.149	0.149	0.141	0.134	0.140	0.144	3.82
71) TP 1,1,2-Trichlor		0.084	0.092	0.101	0.111	0.110	0.107	0.111	0.102#	10.27
72) TP Chlorodibromom		0.107	0.126	0.146	0.163	0.165	0.163	0.169	0.148#	15.98
73) TP 1,3-Dichloropr		0.183	0.206	0.219	0.232	0.229	0.222	0.227	0.217	8.00
74) TP 1,2-Dibromoethane		0.095	0.113	0.121	0.131	0.131	0.127	0.130	0.121#	11.08
76) TP 2-Hexanone		0.102	0.074	0.072	0.069	0.064	0.060	0.061	0.072	19.95
77) TP Chlorobenzene		0.455	0.535	0.498	0.501	0.484	0.477	0.489	0.491	5.05
78) TC Ethylbenzene		0.837	0.956	0.873	0.870	0.831	0.818	0.825	0.858	5.59
79) TP 1,1,1,2-Tetrac		0.111	0.145	0.153	0.168	0.171	0.171	0.179	0.157	14.83
80) TP p/m Xylene		0.313	0.376	0.348	0.347	0.330	0.324	0.330	0.338	6.08
81) TP o Xylene		0.299	0.351	0.334	0.334	0.320	0.315	0.322	0.325	5.08
82) TP Styrene		0.499	0.564	0.554	0.562	0.539	0.528	0.527	0.539	4.33
83) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
84) TP Bromoform		0.101	0.134	0.151	0.177	0.188	0.192	*L		0.9980
86) TP Isopropylbenzene		1.714	1.918	1.770	1.785	1.667	1.646	1.632	1.733	5.80
87) S 4-Bromofluorobenzene	0.967	0.972	0.955	0.967	0.932	0.904	0.898	0.871	0.933	4.08
88) TP Bromobenzene		0.352	0.428	0.397	0.398	0.373	0.370	0.380	0.386	6.41



Initial Calibration Summary

Form 6

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Calibration dates : 03/13/23 13:58 03/13/23 17:42

Lab Number : L2318220
 Project Number : 01304
 Ical Ref : ICAL19808

Calibration Files

L11 =V22230313A03.D L1 =V22230313A05.D L2 =V22230313A07.D L3 =V22230313A08.D L4 =V22230313A09.D
 L6 =V22230313A10.D L8 =V22230313A11.D L10 =V22230313A12.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP n-Propylbenzene	1.933	2.281	2.136	2.152	2.011	1.969	1.911	2.056	6.65	
90) TP 1,4-Dichlorobu	0.376	0.392	0.387	0.403	0.394	0.385	0.402	0.391	2.42	
91) TP 1,1,2,2-Tetrac	0.246	0.252	0.262	0.270	0.264	0.260	0.272	0.261	3.52	
92) TP 4-Ethyltoluene	1.496	1.833	1.704	1.735	1.619	1.602	1.562	1.650	6.93	
93) TP 2-Chlorotoluene	1.163	1.270	1.191	1.196	1.113	1.101	1.109	1.163	5.28	
94) TP 1,3,5-Trimethy	1.196	1.371	1.297	1.358	1.348	1.362	1.377	1.330	4.85	
95) TP 1,2,3-Trichlor	0.221	0.208	0.216	0.220	0.219	0.219	0.234	0.220	3.41	
96) TP trans-1,4-Dich	0.064	0.068	0.076	0.085	0.079	0.077	0.080	0.076	9.37	
97) TP 4-Chlorotoluene	1.177	1.342	1.264	1.268	1.182	1.165	1.162	1.223	5.66	
98) TP tert-Butylbenzene	1.345	1.621	1.508	1.510	1.414	1.390	1.399	1.455	6.56	
101) TP 1,2,4-Trimethy	1.160	1.325	1.264	1.300	1.307	1.326	1.340	1.289	4.81	
102) TP sec-Butylbenzene	1.578	1.946	1.836	1.847	1.728	1.710	1.669	1.759	7.07	
103) TP p-Isopropyltol	1.293	1.552	1.490	1.522	1.464	1.467	1.459	1.464	5.66	
104) TP 1,3-Dichlorobe	0.725	0.815	0.789	0.799	0.748	0.748	0.760	0.769	4.23	
105) TP 1,4-Dichlorobe	0.753	0.815	0.772	0.785	0.735	0.735	0.747	0.763	3.81	
106) TP p-Diethylbenzene	0.749	0.863	0.833	0.860	0.848	0.862	0.891	0.844	5.36	
107) TP n-Butylbenzene	1.084	1.304	1.224	1.272	1.234	1.241	1.251	1.230	5.66	
108) TP 1,2-Dichlorobe	0.648	0.711	0.690	0.695	0.658	0.657	0.667	0.675	3.51	
109) TP 1,2,4,5-Tetram	1.027	1.143	1.097	1.098	1.058	1.071	1.132	1.089	3.75	
110) TP 1,2-Dibromo-3-	0.021	0.036	0.042	0.043	0.041	0.041	0.043	*L	0.9994	
111) TP 1,3,5-Trichlor	0.391	0.455	0.428	0.426	0.405	0.416	0.448	0.424	5.31	
112) TP Hexachlorobuta	0.133	0.156	0.154	0.157	0.149	0.152	0.161	0.152	6.13	
113) TP 1,2,4-Trichlor	0.372	0.402	0.377	0.372	0.351	0.349	0.374	0.371#	4.76	
114) TP Naphthalene	0.893	0.915	0.896	0.872	0.808	0.788	0.825	0.857	5.77	
115) TP 1,2,3-Trichlor	0.327	0.353	0.333	0.325	0.302	0.301	0.319	0.323#	5.60	

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
 Data File : V22230313A18.D
 Acq On : 13 Mar 2023 08:10 pm
 Operator : VOA122:PID
 Sample : C8260STD10PPB
 Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
 Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Mar 14 11:12:30 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	98	0.00
2 TP	Dichlorodifluoromethane	0.136	0.180	-32.4#	127	0.00
3 TP	Chloromethane	0.167	0.209	-25.1#	120	0.00
4 TC	Vinyl chloride	0.185	0.228	-23.2#	116	0.00
5 TP	Bromomethane	0.107	0.117	-9.3	120	0.00
6 TP	Chloroethane	0.127	0.138	-8.7	105	0.00
7 TP	Trichlorofluoromethane	0.217	0.222	-2.3	98	0.00
8 TP	Ethyl ether	0.053	0.067	-26.4#	120	0.00
10 TC	1,1-Dichloroethene	0.131	0.128	2.3	93	0.00
11 TP	Carbon disulfide	0.395	0.366	7.3	89	0.00
12 TP	Freon-113	0.138	0.136	1.4	94	0.00
13 TP	Iodomethane	* 10.000	7.465	25.4#	86	0.00
14 TP	Acrolein	0.015	0.014	6.7	90	0.00
15 TP	Methylene chloride	0.148	0.152	-2.7	97	0.00
17 TP	Acetone	* 10.000	9.842	1.6	89	0.00
18 TP	trans-1,2-Dichloroethene	0.147	0.143	2.7	93	0.00
19 TP	Methyl acetate	0.059	0.060	-1.7	96	0.00
21 TP	Methyl tert-butyl ether	0.240	0.258	-7.5	103	0.00
22 TP	tert-Butyl alcohol	0.00761	0.00779#	-2.4	92	0.00
24 TP	Diisopropyl ether	0.377	0.347	8.0	93	0.00
25 TP	1,1-Dichloroethane	0.274	0.280#	-2.2	97	0.00
26 TP	Halothane	0.107	0.105	1.9	92	0.00
27 TP	Acrylonitrile	0.031	0.032	-3.2	100	0.00
28 TP	Ethyl tert-butyl ether	0.342	0.306	10.5	91	0.00
29 TP	Vinyl acetate	0.226	0.164	27.4#	77	0.00
30 TP	cis-1,2-Dichloroethene	0.158	0.155#	1.9	92	0.00
31 TP	2,2-Dichloropropane	0.210	0.178	15.2	80	0.00
32 TP	Bromochloromethane	0.073	0.074#	-1.4	94	0.00
33 TP	Cyclohexane	0.272	0.260	4.4	91	0.00
34 TC	Chloroform	0.256	0.253	1.2	95	0.00
35 TP	Ethyl acetate	0.077	0.074	3.9	97	0.00
36 TP	Carbon tetrachloride	0.181	0.172	5.0	88	0.00
37 TP	Tetrahydrofuran	0.024	0.025	-4.2	94	0.00
38 S	Dibromofluoromethane	0.305	0.312	-2.3	99	0.00
39 TP	1,1,1-Trichloroethane	0.217	0.215	0.9	95	0.00
41 TP	2-Butanone	0.035	0.028	20.0#	82	0.00
42 TP	1,1-Dichloropropene	0.187	0.170	9.1	91	0.00
44 TP	Benzene	0.516	0.481	6.8	87	0.00
45 TP	tert-Amyl methyl ether	0.282	0.254	9.9	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
 Data File : V22230313A18.D
 Acq On : 13 Mar 2023 08:10 pm
 Operator : VOA122:PID
 Sample : C8260STD10PPB
 Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
 Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Mar 14 11:12:30 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 S	1,2-Dichloroethane-d4	0.304	0.303	0.3	97	0.00
47 T	1,2-Dichloroethane	0.170	0.169	0.6	94	0.00
50 TP	Methyl cyclohexane	0.246	0.211	14.2	88	0.00
51 TP	Trichloroethene	0.157	0.143#	8.9	93	0.00
53 TP	Dibromomethane	0.077	0.076	1.3	92	0.00
54 TC	1,2-Dichloropropane	0.139	0.133	4.3	90	0.00
56 TP	2-Chloroethyl vinyl ether	0.054	0.049	9.3	88	0.00
57 TP	Bromodichloromethane	0.183	0.172#	6.0	90	0.00
60 TP	1,4-Dioxane	0.00092	0.00088#	4.3	90	0.00
61 TP	cis-1,3-Dichloropropene	0.207	0.193#	6.8	90	0.00
62 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
63 S	Toluene-d8	1.310	1.338	-2.1	99	0.00
64 TC	Toluene	0.435	0.411	5.5	91	0.00
65 TP	4-Methyl-2-pentanone	0.025	0.023#	8.0	86	0.00
66 TP	Tetrachloroethene	0.169	0.152	10.1	90	0.00
68 TP	trans-1,3-Dichloropropene	0.249	0.224#	10.0	89	0.00
70 TP	Ethyl methacrylate	0.144	0.147	-2.1	97	0.00
71 TP	1,1,2-Trichloroethane	0.102	0.095#	6.9	92	0.00
72 TP	Chlorodibromomethane	0.148	0.130#	12.2	88	0.00
73 TP	1,3-Dichloropropane	0.217	0.196	9.7	88	0.00
74 TP	1,2-Dibromoethane	0.121	0.110#	9.1	90	0.00
76 TP	2-Hexanone	0.072	0.061	15.3	84	0.00
77 TP	Chlorobenzene	0.491	0.469	4.5	93	0.00
78 TC	Ethylbenzene	0.858	0.815	5.0	92	0.00
79 TP	1,1,1,2-Tetrachloroethane	0.157	0.134	14.6	87	0.00
80 TP	p/m Xylene	0.338	0.329	2.7	93	0.00
81 TP	o Xylene	0.325	0.325	0.0	96	0.00
82 TP	Styrene	0.539	0.535	0.7	95	0.00
83 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
84 TP	Bromoform	* 10.000	7.515	24.9#	89	0.00
86 TP	Isopropylbenzene	1.733	1.610	7.1	91	0.00
87 S	4-Bromofluorobenzene	0.933	0.949	-1.7	98	0.00
88 TP	Bromobenzene	0.386	0.360	6.7	90	0.00
89 TP	n-Propylbenzene	2.056	1.966	4.4	92	0.00
90 TP	1,4-Dichlorobutane	0.391	0.398	-1.8	102	0.00
91 TP	1,1,2,2-Tetrachloroethane	0.261	0.219	16.1	83	0.00
92 TP	4-Ethyltoluene	1.650	1.689	-2.4	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\VOLATILES\VOA122\2023\230313A-ICAL\
 Data File : V22230313A18.D
 Acq On : 13 Mar 2023 08:10 pm
 Operator : VOA122:PID
 Sample : C8260STD10PPB
 Misc : WG1754457,ICAL (Sig #1); WG,ICAL (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 14 11:13:08 2023
 Quant Method : I:\VOLATILES\VOA122\2023\230313A-ICAL\V122_230313A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Tue Mar 14 11:12:30 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene	1.163	1.093	6.0	92	0.00
94 TP	1,3,5-Trimethylbenzene	1.330	1.177	11.5	90	0.00
95 TP	1,2,3-Trichloropropane	0.220	0.184	16.4	85	0.00
96 TP	trans-1,4-Dichloro-2-butene	0.076	0.073	3.9	95	0.00
97 TP	4-Chlorotoluene	1.223	1.156	5.5	91	0.00
98 TP	tert-Butylbenzene	1.455	1.383	4.9	91	0.00
101 TP	1,2,4-Trimethylbenzene	1.289	1.174	8.9	93	0.00
102 TP	sec-Butylbenzene	1.759	1.647	6.4	89	0.00
103 TP	p-Isopropyltoluene	1.464	1.334	8.9	89	0.00
104 TP	1,3-Dichlorobenzene	0.769	0.727	5.5	92	0.00
105 TP	1,4-Dichlorobenzene	0.763	0.690	9.6	89	0.00
106 TP	p-Diethylbenzene	0.844	0.761	9.8	91	0.00
107 TP	n-Butylbenzene	1.230	1.121	8.9	91	0.00
108 TP	1,2-Dichlorobenzene	0.675	0.634	6.1	92	0.00
109 TP	1,2,4,5-Tetramethylbenzene	1.089	1.045	4.0	95	0.00
110 TP	1,2-Dibromo-3-chloropropane *	10.000	8.949	10.5	87	0.00
111 TP	1,3,5-Trichlorobenzene	0.424	0.398	6.1	93	0.00
112 TP	Hexachlorobutadiene	0.152	0.132	13.2	85	0.00
113 TP	1,2,4-Trichlorobenzene	0.371	0.332#	10.5	88	0.00
114 TP	Naphthalene	0.857	0.817	4.7	91	0.00
115 TP	1,2,3-Trichlorobenzene	0.323	0.298#	7.7	89	0.00

* Evaluation of CC level amount vs concentration.

(#) = Out of Range

SPCC's out = 15 CCC's out = 1

Calibration Verification Summary

Form 7

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Lab File ID : V22230411N01
 Sample No : WG1765623-2
 Channel :

Lab Number : L2318220
 Project Number : 01304
 Calibration Date : 04/11/23 19:40
 Init. Calib. Date(s) : 03/13/23 03/13/23
 Init. Calib. Times : 13:58 17:42

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	119	0
Dichlorodifluoromethane	0.136	0.114	-	16.2	20	99	0
Chloromethane	0.167	0.18	-	-7.8	20	126	0
Vinyl chloride	0.185	0.163	-	11.9	20	101	0
Bromomethane	0.107	0.089	-	16.8	20	111	0
Chloroethane	0.127	0.106	-	16.5	20	98	0
Trichlorofluoromethane	0.217	0.214	-	1.4	20	116	0
Ethyl ether	0.053	0.052	-	1.9	20	113	0
1,1-Dichloroethene	0.131	0.132	-	-0.8	20	117	0
Carbon disulfide	0.395	0.383	-	3	20	113	0
Freon-113	0.138	0.15	-	-8.7	20	127	0
Acrolein	0.015	0.015	-	0	20	115	0
Methylene chloride	0.148	0.146	-	1.4	20	114	0
Acetone	10	11.88	-	-18.8	20	127	0
trans-1,2-Dichloroethene	0.147	0.144	-	2	20	114	0
Methyl acetate	0.059	0.064	-	-8.5	20	126	0
Methyl tert-butyl ether	0.24	0.229	-	4.6	20	112	0
tert-Butyl alcohol	0.00761	0.0074*	-	2.8	20	106	0
Diisopropyl ether	0.377	0.425	-	-12.7	20	139	0
1,1-Dichloroethane	0.274	0.28*	-	-2.2	20	118	0
Halothane	0.107	0.118	-	-10.3	20	127	0
Acrylonitrile	0.031	0.033	-	-6.5	20	124	0
Ethyl tert-butyl ether	0.342	0.35	-	-2.3	20	127	0
Vinyl acetate	0.226	0.244	-	-8	20	140	0
cis-1,2-Dichloroethene	0.158	0.159*	-	-0.6	20	115	0
2,2-Dichloropropane	0.21	0.217	-	-3.3	20	119	0
Bromochloromethane	0.073	0.08*	-	-9.6	20	123	0
Cyclohexane	0.272	0.312	-	-14.7	20	133	0
Chloroform	0.256	0.245	-	4.3	20	112	0
Ethyl acetate	0.077	0.082	-	-6.5	20	130	0
Carbon tetrachloride	0.181	0.2	-	-10.5	20	125	0
Tetrahydrofuran	0.024	0.028	-	-16.7	20	126	0
Dibromofluoromethane	0.305	0.319	-	-4.6	20	124	0
1,1,1-Trichloroethane	0.217	0.223	-	-2.8	20	120	0
2-Butanone	0.035	0.037	-	-5.7	20	133	0
1,1-Dichloropropene	0.187	0.197	-	-5.3	20	130	0
Benzene	0.516	0.522	-	-1.2	20	116	0
tert-Amyl methyl ether	0.282	0.255	-	9.6	20	111	0
1,2-Dichloroethane-d4	0.304	0.3	-	1.3	20	117	0
1,2-Dichloroethane	0.17	0.175	-	-2.9	20	119	0
Methyl cyclohexane	0.246	0.241	-	2	20	122	0
Trichloroethene	0.157	0.149*	-	5.1	20	119	0
Dibromomethane	0.077	0.075	-	2.6	20	110	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Lab File ID : V22230411N01
 Sample No : WG1765623-2
 Channel :

Lab Number : L2318220
 Project Number : 01304
 Calibration Date : 04/11/23 19:40
 Init. Calib. Date(s) : 03/13/23 03/13/23
 Init. Calib. Times : 13:58 17:42

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.139	0.144	-	-3.6	20	119	0
Bromodichloromethane	0.183	0.173*	-	5.5	20	111	0
1,4-Dioxane	0.00092	0.00071*	-	22.8*	20	89	0
cis-1,3-Dichloropropene	0.207	0.197*	-	4.8	20	113	0
Chlorobenzene-d5	1	1	-	0	20	133	0
Toluene-d8	1.31	1.23	-	6.1	20	123	0
Toluene	0.435	0.388	-	10.8	20	117	0
4-Methyl-2-pentanone	0.025	0.022*	-	12	20	113	0
Tetrachloroethene	0.169	0.167	-	1.2	20	135	0
trans-1,3-Dichloropropene	0.249	0.206*	-	17.3	20	111	0
Ethyl methacrylate	0.144	0.11	-	23.6*	20	99	0
1,1,2-Trichloroethane	0.102	0.087*	-	14.7	20	115	0
Chlorodibromomethane	0.148	0.136*	-	8.1	20	124	0
1,3-Dichloropropane	0.217	0.187	-	13.8	20	114	0
1,2-Dibromoethane	0.121	0.109*	-	9.9	20	121	0
2-Hexanone	0.072	0.063	-	12.5	20	117	0
Chlorobenzene	0.491	0.458	-	6.7	20	123	0
Ethylbenzene	0.858	0.752	-	12.4	20	115	0
1,1,1,2-Tetrachloroethane	0.157	0.146	-	7	20	127	0
p/m Xylene	0.338	0.309	-	8.6	20	118	0
o Xylene	0.325	0.289	-	11.1	20	115	0
Styrene	0.539	0.465	-	13.7	20	112	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	134	0
Bromoform	10	7.771	-	22.3*	20	123	0
Isopropylbenzene	1.733	1.546	-	10.8	20	117	0
4-Bromofluorobenzene	0.933	0.883	-	5.4	20	122	0
Bromobenzene	0.386	0.368	-	4.7	20	124	0
n-Propylbenzene	2.056	1.77	-	13.9	20	111	0
1,4-Dichlorobutane	0.391	0.354	-	9.5	20	123	0
1,1,2,2-Tetrachloroethane	0.261	0.209	-	19.9	20	107	0
4-Ethyltoluene	1.65	1.488	-	9.8	20	117	0
2-Chlorotoluene	1.163	1.047	-	10	20	118	0
1,3,5-Trimethylbenzene	1.33	1.129	-	15.1	20	117	0
1,2,3-Trichloropropane	0.22	0.168	-	23.6*	20	104	0
trans-1,4-Dichloro-2-buten	0.076	0.067	-	11.8	20	117	0
4-Chlorotoluene	1.223	1.053	-	13.9	20	112	0
tert-Butylbenzene	1.455	1.349	-	7.3	20	120	0
1,2,4-Trimethylbenzene	1.289	1.117	-	13.3	20	118	0
sec-Butylbenzene	1.759	1.557	-	11.5	20	114	0
p-Isopropyltoluene	1.464	1.302	-	11.1	20	117	0
1,3-Dichlorobenzene	0.769	0.711	-	7.5	20	121	0
1,4-Dichlorobenzene	0.763	0.702	-	8	20	122	0
p-Diethylbenzene	0.844	0.76	-	10	20	122	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Environmental Advantage, Inc.
 Project Name : CY2023 APRIL GW SAMPLING
 Instrument ID : VOA122
 Lab File ID : V22230411N01
 Sample No : WG1765623-2
 Channel :

Lab Number : L2318220
 Project Number : 01304
 Calibration Date : 04/11/23 19:40
 Init. Calib. Date(s) : 03/13/23 03/13/23
 Init. Calib. Times : 13:58 17:42

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.23	1.018	-	17.2	20	111	0
1,2-Dichlorobenzene	0.675	0.609	-	9.8	20	118	0
1,2,4,5-Tetramethylbenzene	1.089	0.993	-	8.8	20	121	0
1,2-Dibromo-3-chloropropan	10	8.057	-	19.4	20	105	0
1,3,5-Trichlorobenzene	0.424	0.419	-	1.2	20	131	0
Hexachlorobutadiene	0.152	0.152	-	0	20	132	0
1,2,4-Trichlorobenzene	0.371	0.368*	-	0.8	20	131	0
Naphthalene	0.857	0.812	-	5.3	20	121	0
1,2,3-Trichlorobenzene	0.323	0.311*	-	3.7	20	125	0

* Value outside of QC limits.



Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

1801 Elmwood Ave., Buffalo, NY
SDG#L2313097
April 26, 2023
Sampling date: 3/8/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

1801 Elmwood Ave., Buffalo, NY
SDG# L2313097

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Environmental Advantage, Inc., project located at 1801 Elmwood Ave., Buffalo, NY, Alpha Analytical, SDG#L2313097 submitted to Vali-Data of WNY, LLC on March 24, 2023. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

ID	Sample ID	Laboratory ID
1	IA-1 (030823)	L2313097-01
2	IA-2 (030823)	L2313097-02
3	IA-3 (030823)	L2313097-03
4	IA-3 (030823)DUP	L2313097-04
5	OA-1 (030823)	L2313097-05

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD/Duplicate
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples.

All results were recorded to the reporting limits.

1801 Elmwood Ave., Buffalo, NY

SDG# L2313097

Samples: DUSR ID#1 and #2 were diluted due to high target analyte concentrations.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met except Tetrahydrofuran was detected in DUSR ID#3 but was not detected in #4.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Dibromochloromethane and Bromoform was outside QC limits, high in WG1757190-3 and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD/DUPLICATE

All criteria were met for the laboratory duplicate.
No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: CY23 INDOOR AIR SAMPLING
Project Number: 01304

Lab Number: L2313097
Report Date: 03/22/23

Case Narrative (continued)

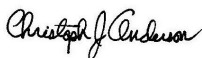
Volatile Organics in Air

Canisters were released from the laboratory on March 3, 2023. The canister certification results are provided as an addendum.

L2313097-01 and -02: The samples were re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

The WG1757190-3 LCS recovery for dibromochloromethane (131%) and bromoform (142%) 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: 

Report Date: 03/22/23

Title: Technical Director/Representative

Laboratory Control Sample Summary

Form 3

Air Volatiles

Client : Environmental Advantage, Inc. Lab Number : L2313097
 Project Name : CY23 INDOOR AIR SAMPLING Project Number : 01304
 Matrix : AIR
 LCS Sample ID : WG1757190-3 Analysis Date : 03/21/23 13:32 File ID : r1636087
 LCSD Sample ID : Analysis Date : File ID :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ppbV)	Found (ppbV)	%R	True (ppbV)	Found (ppbV)	%R			
1,2-Dichloroethane	10	10.2	102				-	70-130	-
n-Hexane	10	9.62	96				-	70-130	-
1,1,1-Trichloroethane	10	11.4	114				-	70-130	-
Benzene	10	8.78	88				-	70-130	-
Carbon tetrachloride	10	12.2	122				-	70-130	-
Cyclohexane	10	9.63	96				-	70-130	-
1,2-Dichloropropane	10	9.95	100				-	70-130	-
Bromodichloromethane	10	11.4	114				-	70-130	-
1,4-Dioxane	10	9.64	96				-	70-130	-
Trichloroethene	10	10.0	100				-	70-130	-
2,2,4-Trimethylpentane	10	9.81	98				-	70-130	-
Heptane	10	9.94	99				-	70-130	-
cis-1,3-Dichloropropene	10	10.2	102				-	70-130	-
4-Methyl-2-pentanone	10	10.3	103				-	70-130	-
trans-1,3-Dichloropropene	10	8.68	87				-	70-130	-
1,1,2-Trichloroethane	10	10.6	106				-	70-130	-
Toluene	10	9.40	94				-	70-130	-
2-Hexanone	10	9.84	98				-	70-130	-
Dibromochloromethane	10	13.1	131 Q				-	70-130	-
1,2-Dibromoethane	10	10.1	101				-	70-130	-
Tetrachloroethene	10	10.2	102				-	70-130	-
Chlorobenzene	10	9.44	94				-	70-130	-
Ethylbenzene	10	10.0	100				-	70-130	-
p/m-Xylene	20	20.0	100				-	70-130	-
Bromoform	10	14.2	142 Q				-	70-130	-
Styrene	10	9.39	94				-	70-130	-

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-01
 Client ID : IA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636099
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:10
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:15
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.502	0.200	--	2.48	0.989	--	
74-87-3	Chloromethane	0.581	0.200	--	1.20	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	122	5.00	--	230	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	208	1.00	--	494	2.38	--	
75-69-4	Trichlorofluoromethane	0.417	0.200	--	2.34	1.12	--	
67-63-0	Isopropanol	641	0.500	--	1580	1.23	--	E
75-65-0	Tertiary butyl Alcohol	17.6	0.500	--	53.4	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.976	0.500	--	2.88	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	13.7	0.200	--	48.3	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-01
 Client ID : IA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636099
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:10
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:15
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	0.308	0.200	--	1.06	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	2.40	0.200	--	11.2	0.934	--	
142-82-5	Heptane	11.2	0.200	--	45.9	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	5.44	0.200	--	20.5	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.99	0.200	--	8.64	0.869	--	
179601-23-1	p/m-Xylene	6.95	0.400	--	30.2	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.48	0.200	--	6.30	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.84	0.200	--	7.99	0.869	--	
622-96-8	4-Ethyltoluene	0.312	0.200	--	1.53	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.459	0.200	--	2.26	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.35	0.200	--	6.64	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-01
 Client ID : IA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636099
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:10
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:15
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-01D
 Client ID : IA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636111
 Sample Amount : 25.0 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:10
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 06:44
 Dilution Factor : 10
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	630	5.00	--	1550	12.3	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-02
 Client ID : IA-2 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636100
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:15
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:53
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.522	0.200	--	2.58	0.989	--	
74-87-3	Chloromethane	0.570	0.200	--	1.18	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	122	5.00	--	230	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	206	1.00	--	489	2.38	--	
75-69-4	Trichlorofluoromethane	0.415	0.200	--	2.33	1.12	--	
67-63-0	Isopropanol	617	0.500	--	1520	1.23	--	E
75-65-0	Tertiary butyl Alcohol	16.6	0.500	--	50.3	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	0.885	0.500	--	2.61	1.47	--	
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	0.544	0.500	--	1.60	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	14.1	0.200	--	49.7	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-02
 Client ID : IA-2 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636100
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:15
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:53
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	0.323	0.200	--	1.11	0.688	--	
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	2.43	0.200	--	11.3	0.934	--	
142-82-5	Heptane	10.9	0.200	--	44.7	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	5.52	0.200	--	20.8	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.99	0.200	--	8.64	0.869	--	
179601-23-1	p/m-Xylene	6.92	0.400	--	30.1	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	1.36	0.200	--	5.79	0.852	--	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.82	0.200	--	7.91	0.869	--	
622-96-8	4-Ethyltoluene	0.365	0.200	--	1.79	0.983	--	
108-67-8	1,3,5-Trimethylbenzene	0.446	0.200	--	2.19	0.983	--	
95-63-6	1,2,4-Trimethylbenzene	1.31	0.200	--	6.44	0.983	--	
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-02
 Client ID : IA-2 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636100
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:15
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:53
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-02D
 Client ID : IA-2 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636112
 Sample Amount : 25.0 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:15
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 07:19
 Dilution Factor : 10
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
67-63-0	Isopropanol	606	5.00	--	1490	12.3	--	

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-03
 Client ID : IA-3 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636101
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 00:32
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.541	0.200	--	2.68	0.989	--	
74-87-3	Chloromethane	0.780	0.200	--	1.61	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	12.6	5.00	--	23.7	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	46.4	1.00	--	110	2.38	--	
75-69-4	Trichlorofluoromethane	0.243	0.200	--	1.37	1.12	--	
67-63-0	Isopropanol	26.2	0.500	--	64.4	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.940	0.500	--	2.85	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.207	0.200	--	0.645	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.367	0.200	--	1.79	0.977	--	
109-99-9	Tetrahydrofuran	0.709	0.500	--	2.09	1.47	--	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.796	0.200	--	2.81	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-03
 Client ID : IA-3 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636101
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 00:32
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	2.44	0.200	--	10.0	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.667	0.500	--	2.73	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.656	0.200	--	2.47	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.967	0.200	--	4.20	0.869	--	
179601-23-1	p/m-Xylene	3.92	0.400	--	17.0	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.28	0.200	--	5.56	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-03
 Client ID : IA-3 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636101
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 00:32
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-04
 Client ID : IA-3 (030823)DUP
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636102
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:10
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.519	0.200	--	2.57	0.989	--	
74-87-3	Chloromethane	0.787	0.200	--	1.63	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	12.1	5.00	--	22.8	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	48.4	1.00	--	115	2.38	--	
75-69-4	Trichlorofluoromethane	0.238	0.200	--	1.34	1.12	--	
67-63-0	Isopropanol	26.3	0.500	--	64.6	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.885	0.500	--	2.68	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.209	0.200	--	0.651	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.385	0.200	--	1.88	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.789	0.200	--	2.78	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-04
 Client ID : IA-3 (030823)DUP
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636102
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:10
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	2.60	0.200	--	10.7	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.752	0.500	--	3.08	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.618	0.200	--	2.33	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	0.992	0.200	--	4.31	0.869	--	
179601-23-1	p/m-Xylene	4.11	0.400	--	17.9	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.35	0.200	--	5.86	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-04
 Client ID : IA-3 (030823)DUP
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636102
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:10
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-05
 Client ID : OA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636104
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:00
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 02:27
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.500	0.200	--	2.47	0.989	--	
74-87-3	Chloromethane	0.541	0.200	--	1.12	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	3.23	1.00	--	7.67	2.38	--	
75-69-4	Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--	
67-63-0	Isopropanol	4.40	0.500	--	10.8	1.23	--	
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-05
 Client ID : OA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636104
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:00
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 02:27
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-05
 Client ID : OA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636104
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:00
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 02:27
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-4
 Client ID : WG1757190-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636089
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/21/23 16:03
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--	U
74-87-3	Chloromethane	ND	0.200	--	ND	0.413	--	U
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
75-01-4	Vinyl chloride	ND	0.200	--	ND	0.511	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	ND	5.00	--	ND	9.42	--	U
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	ND	1.00	--	ND	2.38	--	U
75-69-4	Trichlorofluoromethane	ND	0.200	--	ND	1.12	--	U
67-63-0	Isopropanol	ND	0.500	--	ND	1.23	--	U
75-35-4	1,1-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-65-0	Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--	U
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	ND	0.200	--	ND	0.623	--	U
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	ND	0.200	--	ND	0.977	--	U
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-4
 Client ID : WG1757190-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636089
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/21/23 16:03
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	ND	0.200	--	ND	0.705	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--	U
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U
56-23-5	Carbon tetrachloride	ND	0.200	--	ND	1.26	--	U
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
79-01-6	Trichloroethene	ND	0.200	--	ND	1.07	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	ND	0.200	--	ND	0.820	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	ND	0.200	--	ND	0.754	--	U
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
127-18-4	Tetrachloroethene	ND	0.200	--	ND	1.36	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	ND	0.200	--	ND	0.869	--	U
179601-23-1	p/m-Xylene	ND	0.400	--	ND	1.74	--	U
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-4
 Client ID : WG1757190-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636089
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/21/23 16:03
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	ND	0.200	--	ND	0.869	--	U
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-5
 Client ID : IA-3 (030823)DUPDUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636103
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:48
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-71-8	Dichlorodifluoromethane	0.510	0.200	--	2.52	0.989	--	
74-87-3	Chloromethane	0.792	0.200	--	1.64	0.413	--	
76-14-2	Freon-114	ND	0.200	--	ND	1.40	--	U
106-99-0	1,3-Butadiene	ND	0.200	--	ND	0.442	--	U
74-83-9	Bromomethane	ND	0.200	--	ND	0.777	--	U
75-00-3	Chloroethane	ND	0.200	--	ND	0.528	--	U
64-17-5	Ethanol	12.2	5.00	--	23.0	9.42	--	
593-60-2	Vinyl bromide	ND	0.200	--	ND	0.874	--	U
67-64-1	Acetone	48.0	1.00	--	114	2.38	--	
75-69-4	Trichlorofluoromethane	0.235	0.200	--	1.32	1.12	--	
67-63-0	Isopropanol	26.2	0.500	--	64.4	1.23	--	
75-65-0	Tertiary butyl Alcohol	0.905	0.500	--	2.74	1.52	--	
75-09-2	Methylene chloride	ND	0.500	--	ND	1.74	--	U
107-05-1	3-Chloropropene	ND	0.200	--	ND	0.626	--	U
75-15-0	Carbon disulfide	0.214	0.200	--	0.666	0.623	--	
76-13-1	Freon-113	ND	0.200	--	ND	1.53	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--	U
75-34-3	1,1-Dichloroethane	ND	0.200	--	ND	0.809	--	U
1634-04-4	Methyl tert butyl ether	ND	0.200	--	ND	0.721	--	U
78-93-3	2-Butanone	ND	0.500	--	ND	1.47	--	U
141-78-6	Ethyl Acetate	ND	0.500	--	ND	1.80	--	U
67-66-3	Chloroform	0.384	0.200	--	1.88	0.977	--	
109-99-9	Tetrahydrofuran	ND	0.500	--	ND	1.47	--	U
107-06-2	1,2-Dichloroethane	ND	0.200	--	ND	0.809	--	U
110-54-3	n-Hexane	0.774	0.200	--	2.73	0.705	--	
71-43-2	Benzene	ND	0.200	--	ND	0.639	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-5
 Client ID : IA-3 (030823)DUPDUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636103
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:48
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
110-82-7	Cyclohexane	ND	0.200	--	ND	0.688	--	U
78-87-5	1,2-Dichloropropane	ND	0.200	--	ND	0.924	--	U
75-27-4	Bromodichloromethane	ND	0.200	--	ND	1.34	--	U
123-91-1	1,4-Dioxane	ND	0.200	--	ND	0.721	--	U
540-84-1	2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--	U
142-82-5	Heptane	2.62	0.200	--	10.7	0.820	--	
10061-01-5	cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
108-10-1	4-Methyl-2-pentanone	0.767	0.500	--	3.14	2.05	--	
10061-02-6	trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--	U
108-88-3	Toluene	0.643	0.200	--	2.42	0.754	--	
591-78-6	2-Hexanone	ND	0.200	--	ND	0.820	--	U
124-48-1	Dibromochloromethane	ND	0.200	--	ND	1.70	--	U
106-93-4	1,2-Dibromoethane	ND	0.200	--	ND	1.54	--	U
108-90-7	Chlorobenzene	ND	0.200	--	ND	0.921	--	U
100-41-4	Ethylbenzene	1.03	0.200	--	4.47	0.869	--	
179601-23-1	p/m-Xylene	4.28	0.400	--	18.6	1.74	--	
75-25-2	Bromoform	ND	0.200	--	ND	2.07	--	U
100-42-5	Styrene	ND	0.200	--	ND	0.852	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--	U
95-47-6	o-Xylene	1.39	0.200	--	6.04	0.869	--	
622-96-8	4-Ethyltoluene	ND	0.200	--	ND	0.983	--	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--	U
100-44-7	Benzyl chloride	ND	0.200	--	ND	1.04	--	U
541-73-1	1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U



Results Summary

Form 1

Volatile Organics in Air

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757190-5
 Client ID : IA-3 (030823)DUPDUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15
 Lab File ID : R1636103
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:48
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
106-46-7	1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
95-50-1	1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--	U
87-68-3	Hexachlorobutadiene	ND	0.200	--	ND	2.13	--	U

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-01
 Client ID : IA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636099_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:10
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:15
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.027	0.020	--	0.147	0.109	--	
56-23-5	Carbon tetrachloride	0.096	0.020	--	0.604	0.126	--	
79-01-6	Trichloroethene	0.176	0.020	--	0.946	0.107	--	
127-18-4	Tetrachloroethene	0.198	0.020	--	1.34	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-02
 Client ID : IA-2 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636100_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:15
 Date Received : 03/09/23
 Date Analyzed : 03/21/23 23:53
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	0.022	0.020	--	0.120	0.109	--	
56-23-5	Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--	
79-01-6	Trichloroethene	0.181	0.020	--	0.973	0.107	--	
127-18-4	Tetrachloroethene	0.195	0.020	--	1.32	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-03
 Client ID : IA-3 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636101_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 00:32
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.070	0.020	--	0.475	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-04
 Client ID : IA-3 (030823)DUP
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636102_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:10
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.069	0.020	--	0.468	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : L2313097-05
 Client ID : OA-1 (030823)
 Sample Location : 1801 ELMWOOD AVE, BUFFALO NY
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636104_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:00
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 02:27
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.087	0.020	--	0.547	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.120	0.020	--	0.814	0.136	--	

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757192-4
 Client ID : WG1757192-4BLANK
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636090_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 03/21/23 16:42
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	ND	0.020	--	ND	0.126	--	U
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	ND	0.020	--	ND	0.136	--	U

Results Summary

Form 1

Volatile Organics in Air by SIM

Client : Environmental Advantage, Inc.
 Project Name : CY23 INDOOR AIR SAMPLING
 Lab ID : WG1757192-5
 Client ID : IA-3 (030823)DUPDUP
 Sample Location :
 Sample Matrix : AIR
 Analytical Method : 48,TO-15-SIM
 Lab File ID : R1636103_EV2
 Sample Amount : 250 ml

Lab Number : L2313097
 Project Number : 01304
 Date Collected : 03/08/23 16:20
 Date Received : 03/09/23
 Date Analyzed : 03/22/23 01:48
 Dilution Factor : 1
 Analyst : TJS
 Instrument ID : AIRLAB16
 GC Column : RTX-1

CAS NO.	Parameter	ppbV			ug/m3			Qualifier
		Results	RL	MDL	Results	RL	MDL	
75-01-4	Vinyl chloride	ND	0.020	--	ND	0.051	--	U
75-35-4	1,1-Dichloroethene	ND	0.020	--	ND	0.079	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--	U
56-23-5	Carbon tetrachloride	0.095	0.020	--	0.598	0.126	--	
79-01-6	Trichloroethene	ND	0.020	--	ND	0.107	--	U
127-18-4	Tetrachloroethene	0.071	0.020	--	0.481	0.136	--	

APPENDIX H

EQUIS DATA SUBMITTAL CONFIRMATIONS

From: [Jason Kryszak](#)
To: NYENVDATA@dec.ny.gov
Cc: "[Mary Szustak](#)"; mhanna@envadvantage.com; "[Megan Kuczka](#)"
Subject: MOD-PAC CORP. Site BCP #C915314 - Electronic Data Deliverable
Date: Wednesday, May 24, 2023 1:39:31 PM
Attachments: [20230523_1448.C915314.NYSDEC_MERGE.zip](#)
[20230523_1453.C915314.NYSDEC_MERGE.zip](#)

Good Afternoon,

Please find attached two zip files containing data sets L2313097 and L2318220 for BCP Site C915314 – MOD-PAC CORP.

Jason Kryszak, Project Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext.109
Fax (716) 667-3156
jkryszak@envadvantage.com
www.envadvantage.com

CONFIDENTIALITY NOTICE

This electronic transmission, including any attachments, may contain confidential information belonging to the sender and is intended only for receipt by the individual or entity named. If you believe you have received this transmission in error, please notify the sender immediately by return e-mail and delete and erase this transmission from your system. Further, you are hereby notified that any disclosure, copying, distribution, use or dissemination of the transmission or its contents, or the taking of any action in reliance on the contents of this transmission, is strictly prohibited. WARNING: Electronic transmissions are not guaranteed to be timely, error-free, secure, or free of malicious code, and the sender accepts no liability for any damage caused by viruses, malicious code, or errors or omissions contained in or resulting from this transmission.

From: dec.sm.NYENVDATA
To: [Jason Kryszak](#)
Cc: "Mary Szustak"; mhanna@envadvantage.com; [Kuczka, Megan E \(DEC\)](#)
Subject: RE: MOD-PAC CORP. Site BCP #C915314 - Electronic Data Deliverable
Date: Wednesday, June 7, 2023 2:33:30 PM
Attachments: [image001.png](#)

Jason,

Thank you for your EDD submission. NYSDEC has successfully uploaded the data from the EDDs "20230523 1448.C915314.NYSDEC_MERGE" and "20230523 1453.C915314.NYSDEC_MERGE" to MOD-PAC CORP. in the NYSDEC EQuIS database and the data is available for use within the system.

Aaron
NYSDEC EIMS Team



From: Jason Kryszak <jkryszak@envadvantage.com>
Sent: Wednesday, May 24, 2023 1:39 PM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: 'Mary Szustak' <mszustak@envadvantage.com>; mhanna@envadvantage.com; [Kuczka, Megan E \(DEC\)](#) <Megan.Kuczka@dec.ny.gov>
Subject: MOD-PAC CORP. Site BCP #C915314 - Electronic Data Deliverable

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good Afternoon,

Please find attached two zip files containing data sets L2313097 and L2318220 for BCP Site C915314 – MOD-PAC CORP.

Jason Kryszak, Project Scientist
Environmental Advantage, Inc.
3636 N. Buffalo Road
Orchard Park, NY 14127
Phone (716) 667-3130 ext.109
Fax (716) 667-3156
jkryszak@envadvantage.com
www.envadvantage.com

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transmission in error, please notify the sender immediately by return e-mail and delete and erase this transmission from your system. Further, you are hereby notified that any disclosure, copying, distribution, use or dissemination of the transmission or its contents, or the taking of any action in reliance on the contents of this transmission, is strictly prohibited. WARNING: Electronic transmissions are not guaranteed to be timely, error-free, secure, or free of malicious code, and the sender accepts no liability for any damage caused by viruses, malicious code, or errors or omissions contained in or resulting from this transmission.

APPENDIX I

Proposed Equipment Modification for SSDS Area C



Models R4P115, R4P315A

Max. pressure – 65 inH₂O (60 Hz), 50 inH₂O (50 Hz)

Max. vacuum – 60 inH₂O (60 Hz), 45 inH₂O (50Hz)

Max. air flow – 127 CFM (60 Hz), 110 CFM (50 Hz)

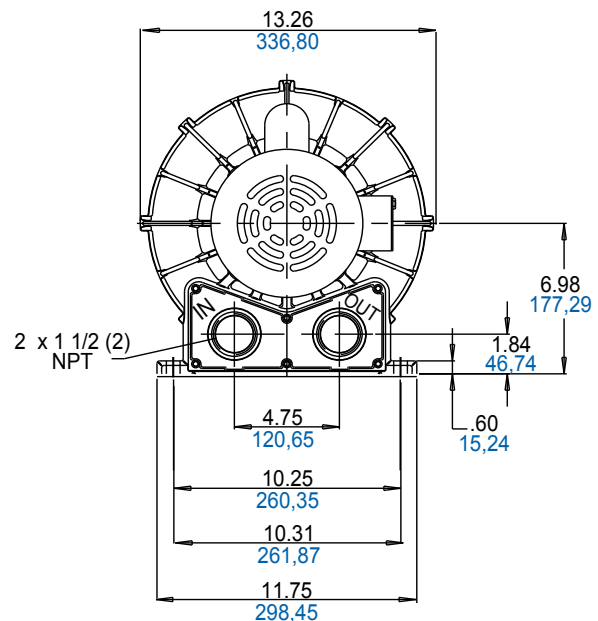
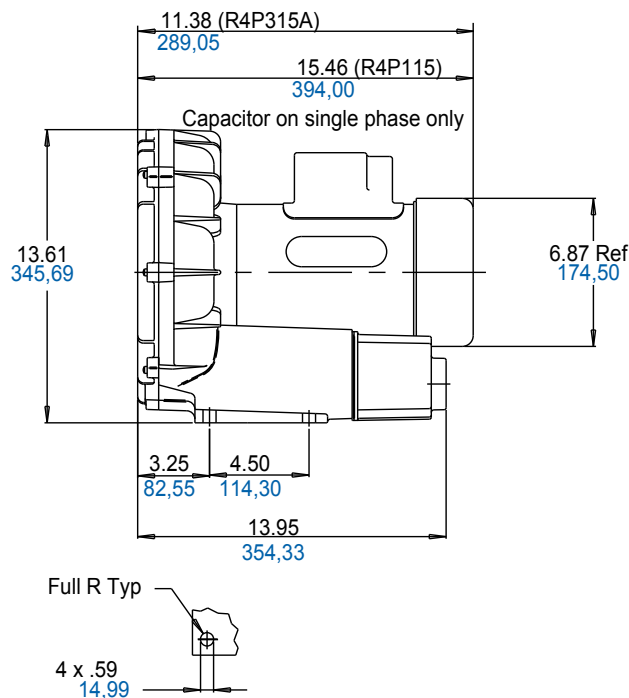
PRODUCT FEATURES

- Rugged construction, low maintenance
- Oilless operation
- UL and CSA approved TEFC motors with permanently sealed ball bearings
- Automatic restart thermal protection on single phase motors
- Aluminum blower housing, impeller, and cover
- Can be mounted in any plane
- Inlet and outlet have internal muffling

RECOMMENDED ACCESSORIES

- Pressure gauge AE133
- Inlet filter AJ126D (pressure)
- Vacuum gauge AJ497
- Inline filter AJ151E (vacuum)
- Muffler AJ121D
- Relief valve AG258
- Liquid separator RMS200 (vacuum)
- Foam replacement kit K906

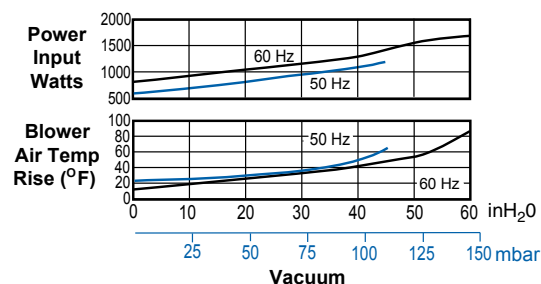
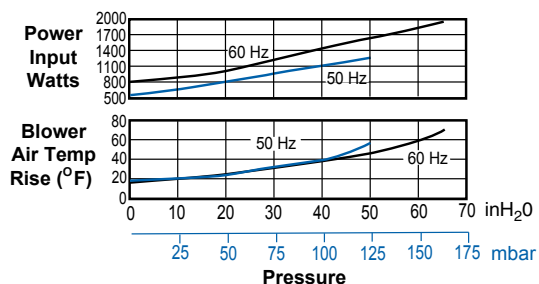
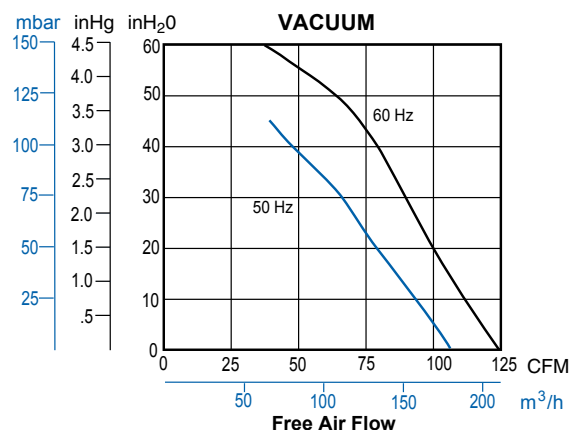
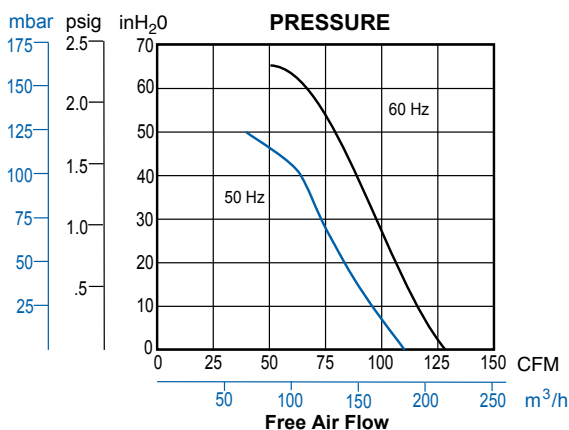
Product Dimensions (inches, mm)



Product Specifications

MODEL NUMBER		R4P115	R4P315A
Motor Enclosure		TEFC	TEFC
HP/kW	60 Hz	1.5/1,1	1.5/1,1
	50 Hz	1.0/0,75	1.0/0,75
Voltage	60 Hz	115/208-230-1	208-230/460-3
	50 Hz	110/220-240-1	190-220/380-415-3
Amps	60 Hz	17.5/10-9	5.1-4.9/2.5
	50 Hz	14.2/8.1	3.9-4.3/1.9-2.0
Starting Amps	60 Hz	58 @ 230V	18.5 @ 460V
	50 Hz	56 @ 220V	19 @ 380V
Insulation Class		F	B
Recommended NEMA Starter Size		1/0	00/00
Net Weight (lbs/kg)		61/27,7	43/24,1

Product Performance





GAST MANUFACTURING, INC.
A Unit of IDEX Corporation
Post Office Box 97
Benton Harbor, Michigan
Ph: 269/926-6171
Fax: 269/925-8288

PART NUMBER:

LTD144

REV.

E

Product Specifications

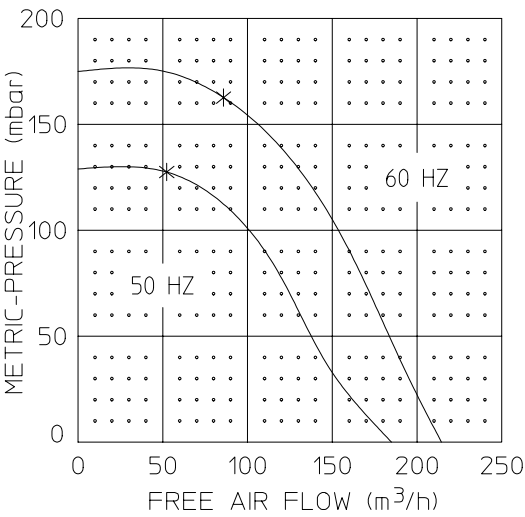
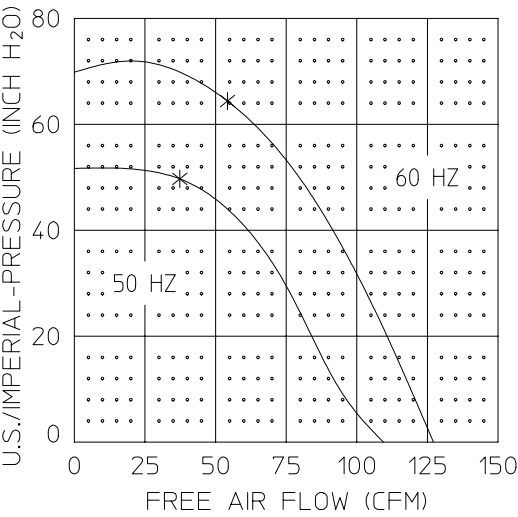
MODEL NUMBER	MOTOR SPECIFICATIONS	RPM	MAX VAC		MAX PRESS		HP	kW	NET WT.	
			"H ₂ O	mbar	"H ₂ O	mbar			lbs.	kg
R4P115	110/220-240-50-1	2850	45	112	50	125	1.0	0,75	62	28,2
	115/208-230-60-1	3450	60	149	65	162	1.5	1,1		

SOUND LEVEL 74/72 dB(A) MAX. @ 60/50 Hz
NORMAL AMBIENT -29°C TO 40°C
RELATIVE HUMIDITY 0% - 100% NON CONDENSING
ENVIRONMENT CLEAN DUST FREE

TECHNICAL DATA SUBJECT TO
CHANGE WITHOUT NOTICE.

※ = RECOMMENDED MAXIMUM DUTY

Product Performance (Metric U.S. Imperial)



PERFORMANCE DATA
THE PERFORMANCE DATA SHOWN WAS DETERMINED
UNDER THE FOLLOWING CONDITIONS:

LINE VOLTAGE @ 60 Hz. 230V OR 460V FOR 3 PHASE
UNITS. 115V OR 230V FOR 1 PHASE UNITS.

LINE VOLTAGE @ 50 Hz. 220V FOR 3 PHASE OR 1
PHASE UNITS.

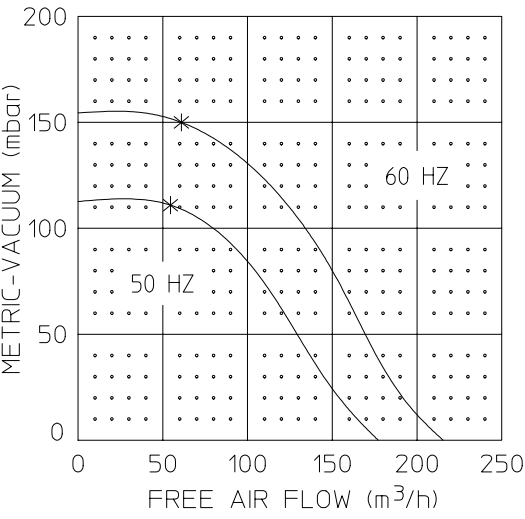
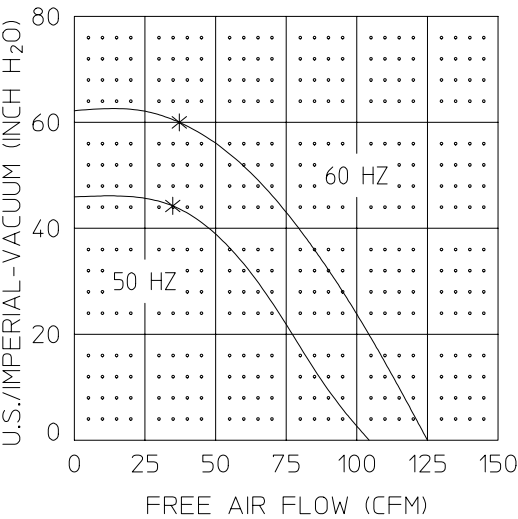
UNITS IN A TEMPERATURE STABLE CONDITION.

DELIVERY MEASUREMENTS MADE WITH OUTPUT PORT
THROTTLED.

SUCTION MEASUREMENTS MADE WITH INPUT PORT
THROTTLED.

TEST CONDITIONS: INLET AIR DENSITY @ 0.075 lbs. per
cu. ft. [20°C (68°F), 29.92" Hg (14.7 PSIA)].

NORMAL PERFORMANCE VARIATIONS ON THE RISISTANCE
CURVE WITHIN ±10% OF SUPPLIED DATA CAN BE EXPECTED.



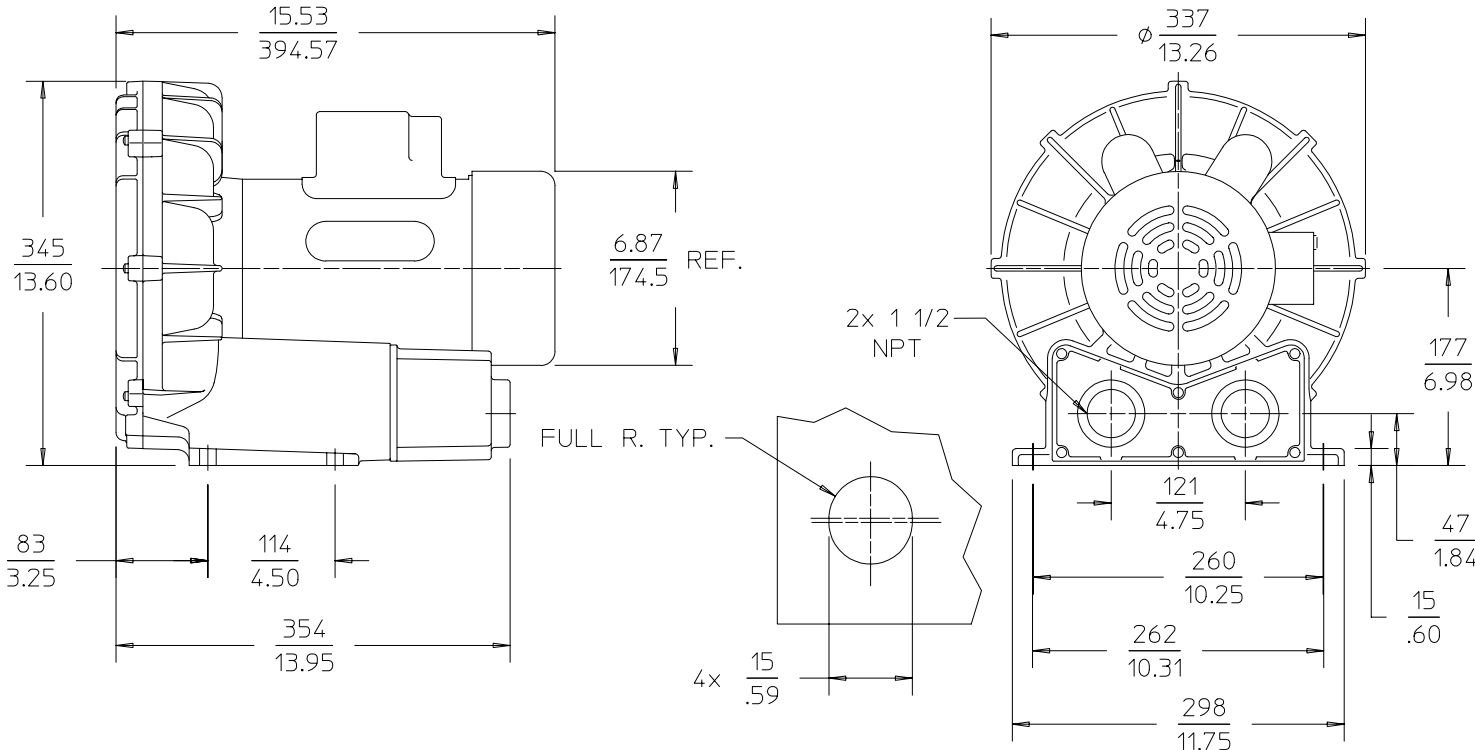
Product Dimensions

Metric (mm) / U.S. Imperial (inches)

LOW VOLTAGE, SINGLE PHASE
P1 — LINE
P2 — TIE TOGETHER
T3 — & INSULATE
T2 — LINE
T4 —

HIGH VOLTAGE, SINGLE PHASE
P1 — LINE
P2 — INSULATE
T3 — TIE TOGETHER
T2 — & INSULATE
T4 — LINE

WIRING DIAGRAM



APPENDIX J

Athletic Field Property Transfer Documents

ERIE COUNTY CLERK'S OFFICE



County Clerk's Recording Page

Return to:

BOX 35

Party 1:
MOD-PAC CORP

Party 2:
NARDIN COMMUNITY ATHLETIC
COMPLEX LLC

Book Type: D Book: 11367 Page: 8594

Page Count: 5

Doc Type: DEED

Rec Date: 10/15/2020

Rec Time: 04:28:00 PM

Control #: 2020175965

UserID: Janet H

Trans #: 20352312

Document Sequence Number
TT2020005811

Recording Fees:

RECORDING	\$45.00
COE CO \$1 RET	\$1.00
COE STATE \$14.25 GEN	\$14.25
COE STATE \$4.75 RM	\$4.75
RP5217 CNTY \$9	\$9.00
RP5217 ST-NON RES \$241	\$241.00
TP584	\$10.00

Consideration Amount: 5500000.00

BASIC MT	\$0.00
SONYMA MT	\$0.00
ADDL MT/NFTA	\$0.00
SP MT/M-RAIL	\$0.00
NY STATE TT	\$22,000.00
ROAD FUND TT	\$27,500.00

Total: \$49,825.00

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED
BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW
YORK. DO NOT DETACH. THIS IS NOT A BILL.

Michael P. Kearns
Erie County Clerk

Box 35(MAP)

BARGAIN AND SALE DEED

THIS INDENTURE, made the 15 day of October, 2020

BETWEEN MOD-PAC CORP., a Delaware corporation and ROSALIA CAPITAL LLC, a Delaware limited liability company, as successor-by-merger to Mod-Pac Corp., a New York corporation, each with an address at 1801 Elmwood Avenue, Buffalo, New York 14207, parties of the first part, and

NARDIN COMMUNITY ATHLETIC COMPLEX LLC, a New York limited liability company with an office at 135 Cleveland Avenue, Buffalo, New York 14222, party of the second part,

WITNESSETH, that the parties of the first part, in consideration of Ten and 00/100 Dollars and more (\$10.00 and more) and other valuable consideration paid by the party of the second part, do hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever, certain real property legally described in Exhibit A attached hereto and made a part hereof (the "Premises").

TOGETHER with all right, title and interest, if any, of the parties of the first part in and to any streets and roads abutting the Premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the parties of the first part in and to said Premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the parties of the first part covenant that the parties of the first part have not done or suffered anything whereby the said premises have been encumbered in any way whatsoever, except as aforesaid.

AND the parties of the first part, in compliance with Section 13 of the Lien Law, covenant that the parties of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

(SIGNATURE PAGE FOLLOWS)

175965
DEED - 7
CTY

IN WITNESS WHEREOF, the parties of the first part have duly executed this deed the day and year first above written.

MOD-PAC CORP.,
a Delaware corporation

By: *Daniel G Keane*
Name: Daniel G Keane
Its: President

STATE OF NEW YORK)
) SS.:
COUNTY OF ERIE)

On this 15th day of October, 2020 before me, the undersigned, personally appeared Daniel G. Keane, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

Karrie Valle
Notary

KARRIE VALLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 01VA6406177
Qualified in Erie County
My Commission Expires 03-23-2024

ROSALIA CAPITAL LLC,
a Delaware limited liability company

By: *Daniel G Keane*
Name: Daniel G Keane
Its: President

STATE OF NEW YORK)
) SS.:
COUNTY OF ERIE)

On this 15th day October, 2020 before me, the undersigned, personally appeared Daniel G. Keane, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

Karrie Valle
Notary

KARRIE VALLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 01VA6406177
Qualified in Erie County
My Commission Expires 03-23-2024

SCHEDULE A

LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, and being part of Lot Number 84, Township 11, Range 8 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING at a point on the south line of Lot 84, said south line of Lot 84 being also the northerly right of way line of Conrail (formerly New York Central Railroad Company), at a distance of 343.03 feet easterly, measured along the south line of Lot 84, from its intersection with the east line of Elmwood Avenue (99' wide); running thence northerly along a line forming an angle of 90° 12' 41" with the south line of Lot 84, as measured in the northeast quadrant, a distance of 26.73 feet to a point on a non-tangent curve; thence northeasterly along a curve to the left, having a radius of 32 feet, a distance of 34.65 feet to a point of tangency; thence N 00° 20' 03" E a distance of 154.87 feet to a point of curvature; thence northeasterly along a curve to the right, having a radius of 50 feet, a distance of 78.54 feet to a point of tangency; thence S 89° 40' 09" E a distance of 150.44 feet to a point of curvature; thence easterly along a curve to the left, having a radius of 100 feet, a distance of 29.45 feet to a point of reverse curvature; thence easterly along a curve to the right, having a radius of 100 feet, a distance of 29.45 feet to a point of tangency; thence S 89° 40' 06" E a distance of 312.67 feet to a point of curvature; thence northeasterly along a curve to the left, having a radius of 123.50 feet, a distance of 91.89 feet to a point of tangency; thence N 47° 41' 58" E a distance of 75.59 feet to a point of curvature; thence northeasterly along a curve to the right, having a radius of 100 feet, a distance of 27.65 feet to a point, said point being on the southwesterly line of Parcel B as conveyed to Newbuff Associates LLC by deed recorded in the Erie County Clerk's Office in Liber 11086 of Deeds at page 5854; thence southeasterly along the southwesterly line of Parcel B as conveyed to Newbuff Associates LLC by deed aforesaid, a distance of 16.23 feet to a point on the former center line of Ledger Street (50 feet wide and now abandoned) as shown on map filed in the Erie County Clerk's Office under Cover Map No. 337; thence southerly along the former center line of Ledger Street as shown on map filed in the Erie County Clerk's Office under Cover Map No. 337, forming an interior angle of 128°-56'-49", a distance of 66.51 feet to a point on a non-tangent curve; thence southeasterly along a curve to the right, having a radius of 344.27 feet, a distance of 35.30 feet to a point of tangency; thence S 36° 51' 55" E a distance of 175.84 feet to a point of curvature; thence southeasterly along a curve to the left, having a radius of 374.26 feet, a distance of 200.54 feet to a point; thence westerly parallel with the south line of Lot 84, a distance of 238.91 feet to a point on the former east line of Ledger Street; thence southerly along the former east line of Ledger Street, a distance of 5.02 feet to a point on the south line of Lot 84; thence westerly along the south line of Lot 84; thence westerly along the south line of Lot 84, a distance of 816.35 feet to the point of beginning, containing 5.557 Acres, be the same, more or less.

TOGETHER WITH the benefits and subject to the burdens of a Roadway and Parking Easement between Nardin Community Athletic Complex LLC and Mod-Pac Corp. recorded in Liber 11367 of Deeds at page 8599

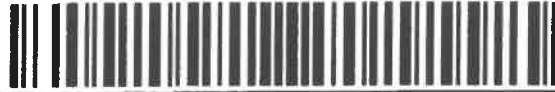
SUBJECT TO easements, rights of way and restrictions of record.

SUBJECT TO an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law by instrument dated November 20, 2019 and recorded December 2, 2019 in Liber 11353 of Deeds at page 5363.

BEING AND INTENDED TO BE a portion of lands conveyed to Mod-Pac Corp. by deed recorded in the Erie County Clerk's Office in Liber 11343 of Deeds at Page 3393 AND

BEING AND INTENDED TO BE the lands conveyed to Rosalia Capital LLC, as successor-by-merger to Mod-Pac Corp., by deed recorded in the Erie County Clerk's Office in Liber 9733 of Deeds at Page 284.

ERIE COUNTY CLERK'S OFFICE



County Clerk's Recording Page

Return to:
BOX 35

Party 1:
MOD-PAC CORP

Party 2:

Book Type: D Book: 11367 Page: 8599

Page Count: 7

Doc Type: EASEMENT/RTWY

Rec Date: 10/15/2020

Rec Time: 04:28:00 PM

Control #: 2020175966

UserID: Janet H

Trans #: 20352312

Document Sequence Number
TT2020005812

Recording Fees:

RECORDING	\$55.00
COE CO \$1 RET	\$1.00
COE STATE \$14.25 GEN	\$14.25
COE STATE \$4.75 RM	\$4.75
TP584	\$10.00

Consideration Amount: 1.00

BASIC MT	\$0.00
SONYMA MT	\$0.00
ADDL MT/NFTA	\$0.00
SP MT/M-RAIL	\$0.00
NY STATE TT	\$0.00
ROAD FUND TT	\$0.00

Total: \$85.00

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED
BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW
YORK. DO NOT DETACH. THIS IS NOT A BILL.

Michael P. Kearns
Erie County Clerk

Box 35 (unp)

ROADWAY AND PARKING EASEMENT

This Roadway and Parking Easement Agreement ("Agreement") is made as of October 15, 2020 by and between **NARDIN COMMUNITY ATHLETIC COMPLEX LLC**, having an address at 135 Cleveland Ave., Buffalo, NY 14222 ("Grantee"), and **MOD-PAC CORP.**, having an address at 1801 Elmwood Avenue, Buffalo, New York 14216 ("Grantor").

RECITALS:

A. Grantee is the owner of a parcel of land in the City of Buffalo, County of Erie and State of New York, and legally described on Exhibit A attached hereto ("Grantee Parcel").

B. Grantor is the owner of a parcel of land located adjacent and contiguous with the Grantee Property in the City of Buffalo, Erie County, New York, which real property is more particularly described in that certain deed given by Norampac Industries Inc. to Mod-Pac Corp., dated December 26, 2005, and recorded in the Erie County Clerk's Office on December 29, 2005 in Liber 11107 of deeds at page 3575, excepting therefrom Grantee's Parcel which was subdivided from the Grantor Parcel and conveyed to Grantee by Grantor by deed recorded at Liber ~~11967~~ 894 deeds at page 894 in the Erie County Clerk's Office (the "Grantor Parcel"). The Grantor Parcel borders the Grantee Parcel to the north of the Grantee Parcel.

C. Grantee desires to obtain from Grantor, and Grantor desires to grant to Grantee, for the benefit of the Grantee Parcel, a permanent, non-exclusive easement and right of way over, under, across and through those portions of the Grantor Parcel as shown on the drawing attached hereto as Exhibit B (the "Easement Area") for parking, ingress, egress and access to, from and between the Grantee Parcel and the public right-of-way.

D. This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of Environmental Conservation Law which was recorded on December 2, 2019 in Book 11353 of Deeds at page 5363.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions contained herein, and for other good and valuable considerations, the parties agree as follows:

1. Easement Grant. Grantor gives, grants and conveys to Grantee a perpetual, non-exclusive easement through, over and across the Easement Area for the purpose of using the existing and future roadway, walkways, sidewalks, curbing and curb cuts, parking and other paved areas for parking, ingress, egress and access to, from and between the Grantee Parcel and the public right-of-way.

2. Maintenance. Grantor and Grantee, shall be responsible for all necessary maintenance, repair and replacement of the roadway, including, but not limited to, resurfacing, resealing, snow removal, repairs and replacement on a 50/50 basis. The roadway shall be maintained so as to allow for the ingress and egress of semi-trailer trucks. It is agreed that Grantee shall provide Grantor with its 50% share of the costs on a quarterly basis.

87 785-6 175966

3. No Obstruction. Neither party shall block or obstruct the Easement Area or any part thereof, or authorize or permit the same to be blocked or obstructed by any means whatsoever.

4. Use By Grantor. Nothing contained in this Agreement shall limit the right of Grantor to use and enjoy the Easement Area in common with Grantee in any manner that would not be inconsistent with the easement rights granted in this Agreement.

5. Indemnity: Insurance. Grantee covenants and agrees with Grantor that, in connection with Grantee's use and enjoyment of the Easement Area, (a) Grantor and its affiliates shall not be liable to Grantee or to any other person for any claim, injury, loss or damage to any person or property on or about the Easement Area, and (b) Grantee will save Grantor harmless and indemnified from and against such claim, injury, judgement, loss or damage (including defense costs). Grantee agrees to provide liability insurance written on an occurrence basis with limits of not less than Two Million Dollars (\$2,000,000) per occurrence. Insurance policies will be written in the names of Grantee and Grantor, and Grantee shall provide Grantor with certificates evidencing such policies upon request and shall thereafter provide Grantor with appropriate evidence of such coverage's upon each anniversary date of the policy. Grantor covenants and agrees with Grantee that, in connection with Grantor's use and enjoyment of the Easement Area, (a) Grantee and its affiliates shall not be liable to Grantor or to any other person for any claim, injury, loss or damage to any person or property on or about the Easement Area, and (b) Grantor will save Grantee harmless and indemnified from and against such claim, injury, judgement, loss or damage (including defense costs). Grantor agrees to maintain liability insurance written on an occurrence basis with limits of not less than Two Million Dollars (\$2,000,000) per occurrence. Insurance policies will be written in the names of Grantee and Grantor, and Grantor shall provide Grantee with certificates evidencing such policies upon request and shall thereafter provide Grantee with appropriate evidence of such coverage's upon each anniversary date of the policy.

6. Run with Land. The easements and covenants contained in this Agreement shall run with the land and shall be binding upon and inure to the benefit of the respective successors and assigns of the parties hereto; and it is agreed that the parties hereto and each future owner of the Grantor Parcel and the Grantee Parcel, respectively, shall not be liable for any acts, omissions or defaults unless such acts, omissions or defaults occur during the period of fee simple ownership of such party or future owner.

7. Miscellaneous. The rights contained in this Agreement and the benefits and burdens herein placed upon the Grantor Parcel and the Grantee Parcel shall continue and shall not terminate by merger or otherwise should any party hereto (or that party's successor or assign in ownership) acquire fee simple title to any interest in any property now owned in fee simple by the other party to this Agreement. All recitals and exhibits contained in this Agreement or attached hereto are incorporated into this Agreement by reference and made a part hereof. This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which shall constitute but one and the same document. This Agreement may not be amended or modified except by a written instrument signed by Grantor and Grantee. If any provision of this Agreement is held to be invalid or unenforceable by a court of competent jurisdiction, such invalidity or unenforceability shall not affect the remainder of this Agreement, and the same shall remain in full force and effect. This Agreement shall be governed by the laws of the State of New York.

[Signature Pages Follows]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

GRANTOR:

MOD-PAC CORP.

By: 
Name: Daniel G Keane
Title: President

STATE OF NEW YORK)
) SS.:
COUNTY OF ERIE)

On this 15th day of October, 2020 before me, the undersigned, personally appeared Daniel G. Keane, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.


Notary

KARRIE VALLE
NOTARY PUBLIC-STATE OF NEW YORK
No. 01VA6406177
Qualified in Erie County
My Commission Expires 03-23-2024

[Grantee Signature Page Follows]

GRANTEE:

NARDIN COMMUNITY ATHLETIC
COMPLEX LLC

By: Gregory J. Altman
Name: Gregory Altman
Title: Manager

STATE OF NEW YORK)
) SS.:
COUNTY OF ERIE)

On this 15 day of October, 2020 before me, the undersigned, personally appeared Gregory Altman, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

Michael A. Piette
Notary

MICHAEL A. PIETTE
Notary Public - State of New York
Qualified in Erie County
My Commission Expires Jan. 31, 2023

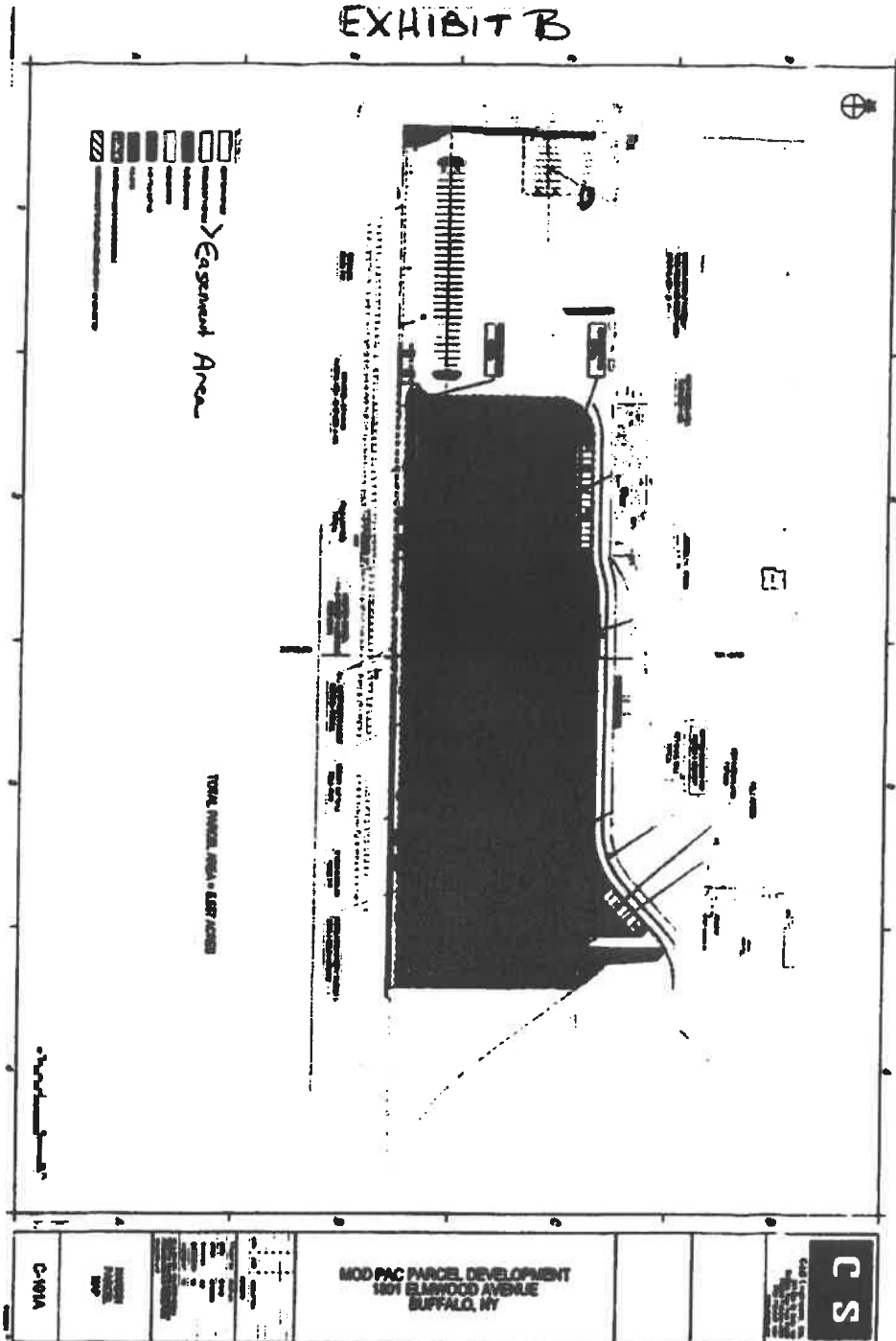
Exhibit A

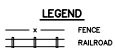
ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, and being part of Lot Number 84, Township 11, Range 8 of the Holland Land Company's Survey, bounded and described as follows:

BEGINNING at a point on the south line of Lot 84, said south line of Lot 84 being also the northerly right of way line of Conrail (formerly New York Central Railroad Company), at a distance of 343.03 feet easterly, measured along the south line of Lot 84, from its intersection with the east line of Elmwood Avenue (99' wide); running thence northerly along a line forming an angle of 90°-12'-41" with the south line of Lot 84, as measured in the northeast quadrant, a distance of 26.73 feet to a point on a non-tangent curve; thence northeasterly along a curve to the left, having a radius of 32 feet, a distance of 34.65 feet to a point of tangency; thence N 00°-20'-03" E a distance of 154.87 feet to a point of curvature; thence northeasterly along a curve to the right, having a radius of 50 feet, a distance of 78.54 feet to a point of tangency; thence S 89°-40'-09" E a distance of 150.44 feet to a point of curvature, thence easterly along a curve to the left, having a radius of 100 feet, a distance of 29.45 feet to a point of reverse curvature; thence easterly along a curve to the right, having a radius of 100 feet, a distance of 29.45 feet to a point of tangency; thence S 89°-40'-06" E a distance of 312.67 feet to a point of curvature; thence northeasterly along a curve to the left, having a radius of 123.50 feet, a distance of 91.89 feet to a point of tangency; thence N 47°-41'-58" E a distance of 79.59 feet to a point of curvature; thence northeasterly along a curve to the right, having a radius of 100 feet, a distance of 27.65 feet to a point, said point being on the southwesterly line of Parcel B as conveyed to Newbuff Associates LLC by deed recorded in the Erie County Clerk's Office in Liber 11086 of Deeds at page 5854; thence southeasterly along the southwesterly line of Parcel B as conveyed to Newbuff Associates LLC by deed aforesaid, a distance of 16.23 feet to a point on the former center line of Ledger Street (50 feet wide and now abandoned) as shown on map filed in the Erie County Clerk's Office under Cover Map No. 337; thence southerly along the former center line of Ledger Street as shown on map filed in the Erie County Clerk's Office under Cover Map No. 337, forming an interior angle of 128°-56'-49", a distance of 66.51 feet to a point on a non-tangent curve; thence southeasterly along a curve to the right, having a radius of 344.27 feet, a distance of 35.30 feet to a point of tangency; thence S 36°-51'-55" E a distance of 175.84 feet to a point of curvature, thence southeasterly along a curve to the left, having a radius of 374.26 feet, a distance of 200.54 feet to a point; thence westerly parallel with the south line of Lot 84, a distance of 238.91 feet to a point on the former east line of Ledger Street; thence southerly along the former east line of Ledger Street, a distance of 5.02 feet to a point on the south line of Lot 84; thence westerly along the south line of Lot 84; thence westerly along the south line of Lot 84, a distance of 816.35 feet to the point of beginning.

Together with the benefits and subject to the burdens of a Roadway and Parking Easement between Nardin Community Athletic Complex LLC and Mod-Pac Corp. recorded in Liber 11367 and Deeds at page 8594

EXHIBIT B





ELMWOOD AVENUE

REPUTED OWNER
CONRAIL
FORMERLY
**NEW YORK CENTRAL AND
HUDSON RIVER RAILROAD
COMPANY**
L-1137, P-26

(FORMERLY NEW YORK CENTRAL RAILROAD COMPANY)

SURVEY OF PART OF LOT-84, TWP.-11, R.-8, HOLLAND PURCHASE			
LOCATION	CITY OF BUFFALO, ERIE COUNTY, NEW YORK		
SEE MAP FILED IN THE E.C.C.O. UNDER COVER NO. 337			
JOB No. 9134-B	SCALE: 1" = 50'	DATE: JANUARY 10, 2018	DRAWN BY: JAM CHECKED BY: JAM \$1500.00

NOTE: THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.	NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209, PARAGRAPH 2 OF THE NEW YORK STATE EDUCATION LAW.
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SEE MAP FILED IN THE E.C.C.O. UNDER COVER NO. 337			DRAWN: MAS COMP.: JEM, III DESIG.: CADFILE: 9134B.DWG
JOB No. 9134-B	SCALE: 1" = 50'	DATE: JANUARY 10, 2018	

- 1) FOR TOPOGRAPHICAL INFORMATION SEE MAP PREPARED BY MUNTOSH & MUNTOSH, P.C. DATED DECEMBER 19, 2017, LAST REVISED JUNE 11, 2018 AND TESTED SEE JOB NO. 15-234.
- 2) SITE: CITY OF BUFFALO TAX MAP PARCEL: 7869-2-0-3-1.
- 3) REFERENCE MAP: SURVEY MAP PREPARED BY SONENBERG-DUN L SURVEY DATED OCTOBER 26, 2016 AND IDENTIFIED AS JOB NO. 16-212-01.
- 4) REFERENCE MAP: RIGHT OF WAY MAP PREPARED BY THE NEW YORK STATE CENTRAL RAILROAD, BUFFALO BELT BRANCH, SYRACUSE DIVISION, VILLAGE MAP NOS. V64 & V64-7.
- 5) REFERENCE MAP: RIGHT OF WAY TO RUDOLFS GAS CORPORATION L-7111, P-647 DOES NOT APPLY PREVIOUS PREMISES.
- 6) SEE EASEMENT TO NIAGARA MOHAWK POWER CORPORATION AND NEW YORK TELEPHONE COMPANY L-1712, P-260 – BLANKET IN NATURE, NO SPECIFIC LOCATION DESCRIBED.
- 7) RIGHT OF WAY TO RUDOLFS GAS CORPORATION L-7123, P-355 DOES NOT APPLY PREVIOUS PREMISES.
- 8) SEE RECIPROCAL EASEMENTS FOR INGRESS AND EGRESS FOR PEDESTRIAN AND MOTOR VEHICLES L-8079, P-17 – BLANKET IN NATURE, NO SPECIFIC LOCATION DESCRIBED.
- 9) SEE EASEMENT TO NIAGARA MOHAWK POWER CORPORATION AND NEW YORK TELEPHONE COMPANY L-8997, P-118 – BLANKET IN NATURE, NO SPECIFIC LOCATION DESCRIBED.
- 10) FOR REFERENCE SEE ABSTRACT PREPARED BY TRINITY TITLE & ABSTRACT CORP. DATED FEBRUARY 8, 2017 AND IDENTIFIED AS SEARCH NO. 517-2186.
- 11) REFERENCE MAP: SURVEY MAP PREPARED BY MUNTOSH & MUNTOSH, P.C. DATED OCTOBER 26, 2016 AND IDENTIFIED AS JOB NO. 16-212-01.
- 12) REFERENCE MAP: ENVIRONMENTAL EASEMENT MAP PREPARED BY MUNTOSH & MUNTOSH, P.C. DATED DECEMBER 19, 2017, LAST REVISED JUNE 11, 2018 IDENTIFIED AS JOB NO. 9134-3-1.

**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: 1803 Elmwood Avenue **DEC Site ID No.** C915394

II. Contact Information of Person Submitting Notification:

Name: Marc A. Romanowski
Address1: 1600 Liberty Building, Buffalo, NY 14202
Address2:
Phone: (716)854-3400 E-mail: romanowski@rupppfalzgraf.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☒ Change in Ownership or Change in Remedial Party(ies)
☒ Transfer of Certificate of Completion (CoC)
☐ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 10/15/20

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

A portion of the Site was transferred from MOD-PAC Corp. to Nardin Community Athletic Complex LLC on October 15, 2020. That change in ownership also includes a partial transfer of the Certification of Completion to the Nardin entity relative to the portion of the Site it acquired.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

- V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name:

Daniel G. Keane
(Signature)

7/25/2023
(Date)

Daniel Keane

(Print Name)

Address1: 1801 Elmwood Avenue, Buffalo, NY 14207

Address2: _____

Phone: (716)873-0640

E-mail: dkeane@modpac.com

- VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☒ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: Nardin Community Athletic Complex LLC

Address1: 97 Rosalia Street, Buffalo, New York 14222

Address2: _____

Phone: (716) 881-6262

E-mail: eryan@nardin.org

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____


E-mail: _____

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: 
(Signature)

7/25/2023
(Date)

Daniel Keane
(Print Name)

Address1: 1801 Elmwood Avenue, Buffalo, NY 14207

Address2: _____

Phone: (716)873-0640 E-mail: dkeane@modpac.com

Continuation Sheet

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

☐ Prospective Owner/Holder ☐ Prospective Remedial Party ☐ Prospective Owner Representative
Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____



Instructions for Completing the 60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion (CoC), and/or Ownership Form

Submit to: Chief, Site Control Section, New York State Department of Environmental Conservation, Division of Environmental Remediation, 625 Broadway, Albany NY 12233-7020

Section I

Description

Site Name

Official DEC site name.
(see <http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=3>)

DEC Site ID No.

DEC site identification number.

Section II

Contact Information of Person Submitting Notification

Name

Name of person submitting notification of site change of use, transfer of certificate of completion and/or ownership form.

Address1

Street address or P.O. box number of the person submitting notification.

Address2

City, state and zip code of the person submitting notification.

Phone

Phone number of the person submitting notification.

E-mail

E-mail address of the person submitting notification.

Section III

Type of Change and Date

Check Boxes

Check the appropriate box(s) for the type(s) of change about which you are notifying the Department. Check all that apply.

Proposed Date of Change

Date on which the change in ownership or remedial party, transfer of CoC, or other change is expected to occur.

Section IV

Description

Description

For each change checked in Section III, describe the proposed change.
Provide all applicable maps, drawings, and/or parcel information.
If "Other" is checked in Section III, explain how the change may affect the site's proposed, ongoing, or completed remedial program at the site.
Please attach additional sheets, if needed.

Section V Certification Statement

This section must be filled out if the change of use results in a change of ownership or responsibility for the proposed, ongoing, or completed remedial program for the site. When completed, it provides DEC with a certification that the prospective purchaser has been provided a copy of any order, agreement, or State assistance contract as well as a copy of all approved remedial work plans and reports.

Name	The owner of the site property or their designated representative must sign and date the certification statement. Print owner or designated representative's name on the line provided below the signature.
Address1	Owner or designated representative's street address or P.O. Box number.
Address2	Owner or designated representative's city, state and zip code.
Phone	Owner or designated representative's phone number.
E-Mail	Owner or designated representative's E-mail.

Section VI Contact Information for New Owner, Remedial Party, and CoC Holder (if a CoC was issued)

Fill out this section only if the site is to be sold or there will be a new remedial party. Check the appropriate box to indicate whether the information being provided is for a Prospective Owner, CoC Holder (if site was ever issued a COC), Prospective Remedial Party, or Prospective Owner Representative. Identify the prospective owner or party and include contact information. A Continuation Sheet is provided at the end of this form for additional owner/party information.

Name	Name of Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
Address1	Street address or P.O. Box number for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Address2	City, state and zip code for the Prospective Owner, Prospective Remedial Party, or Prospective Owner Representative.
Phone	Phone number for the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.
E-Mail	E-mail address of the Prospective Owner, Prospective Remedial Party or Prospective Owner Representative.

If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/EC), indicate who will be the certifying party(ies). Attach additional sheets, if needed.

Certifying Party

Name Name of Certifying Party.

Address1 Certifying Party's street address or P.O. Box number.

Address2 Certifying Party's city, state and zip code.

Phone Certifying Party's Phone number.

E-Mail Certifying Party's E-mail address.

Section VII Agreement to Notify DEC After Property Transfer/Sale

This section must be filled out for all property transfers of all or part of the site. If the site also has a CoC, then the CoC shall be transferred using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>

Filling out and signing this section of the form indicates you will comply with the post transfer notifications within the required timeframes specified on the form. If a CoC has been issued for the site, the DEC will allow 30 days for the post transfer notification so that the "Notice of CoC Transfer Form" and proof of it's filing can be included. Normally the required post transfer notification must be submitted within 15 day (per 375-1.11(d)(3)(ii)) when no CoC is involved.

Name Current property owner must sign and date the form on the designated lines. Print owner's name on the line provided.

Address1 Current owner's street address.

Address2 Current owner's city, state and zip code.