Environmental Advantage

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

June 30, 2024

Robert Waterfield, Owner
4245 Clark Street
Hamburg, New York 14127

Via Email: rwaterfield236@verizon.net;

Re: **Focused Phase II Environmental Site Assessment;**
Commercial Property, 4245 Clark Street, Hamburg, NY
EA Project No: EA2305

Dear Mr. Waterfield:

Please find attached one electronic copy of the final report for a Phase II Environmental Site Assessment (ESA) completed at the above-referenced site. The Focused Phase II ESA was completed in accordance with our agreement signed on March 20, 2024. The attached report, as noted therein, has been prepared in general accordance with the ASTM Standard E1903-19.

Information accumulated for this assessment will be retained with your project file. The report and information in your file is considered confidential and will not be released without your written authorization.

If you have any questions concerning the information present in the report, please contact me directly. Thank you for the opportunity to provide these site assessment services.

Very truly yours,
ENVIRONMENTAL ADVANTAGE, INC.

C. Mark Hanna, CHMM
President

Attachment

FOCUSED PHASE II ENVIRONMENTAL SITE ASSESSMENT

Commercial Property
4245 Clark Street
Hamburg, New York 14075

Prepared For:
Robert Waterfield
4245 Clark Street
Hamburg, New York 14075
EA Project No: EA2305

Prepared By:
Environmental Advantage, Inc.
3636 North Buffalo Road
Orchard Park, New York 14127
(716) 667-3130

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C. Mark Hanna, CHMM
President

June 30, 2024

Environmental Advantage

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1.0 INTRODUCTION

1.1 Background

In accordance with the executed agreement, dated March 20, 2024, Environmental Advantage, Inc. (EA) completed a Focused Phase II Environmental Site Assessment (ESA) of the above-referenced property (hereinafter "subject site") for you (hereinafter "Client"). The Phase II ESA includes Figures in Attachment A; soil boring logs, field notes, and vapor sampling sheets in Attachment B, analytical summary tables in Attachment C, laboratory analytical reports in Attachment D; and objectives & limitations in Attachment E.

This report is an instrument of service of EA and reflects the purpose of this investigation to acquire and evaluate information sufficient to achieve the objectives set forth in this document. The identified statement of objectives and developed scope of work for this study, investigative activities and interpretation of results were completed in general conformance with the American Society for Testing and Materials (ASTM) Standard E 1903-19. This practice is intended for use in any situation in which a user desires to obtain sound, scientifically valid data concerning actual property conditions, whether or not such data relate to property conditions previously identified as "Recognized Environmental Conditions" (RECs) or data gaps presented in other site-related documents. As defined under the ASTM Standard E1527-21, the "term recognized environmental condition means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment". "Data Gaps" are defined in ASTM Standard E1527-21 as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information" as required by the USEPA 'All Appropriate Inquiries' (AAI) rule despite good faith efforts to gather such information. This ESA was completed by EA in accordance with generally accepted practices of the profession undertaken in similar studies within the same time frame and geographic area, and EA observed that degree of care and skill generally exercised by the profession under similar circumstances and conditions.

This ESA and report have been prepared on behalf of, and for the exclusive use of, EA's Client solely for its reliance in the environmental assessment of this site. The Client is the only party to which EA has explained the risks involved and which has been

involved in shaping of the scope of services needed to satisfactorily manage those risks, if any, from EA's Client's point of view. Accordingly, reliance on this report by any other party may involve assumptions whose extent and nature lead to a distorted meaning and impact of the findings and opinions related herein. EA's findings and opinions related in this report may not be relied upon by any party except EA's Client. Use of this ESA report by any other party is strictly prohibited, except by authorization in writing from EA's Client.

1.2 Limitations and Exceptions

The Focused Phase II ESA was conducted using methods and practices developed in general accordance with the American Society for Testing and Materials (ASTM) Standard E1903-19 and is thereby subject to limitations inherent to that Standard. EA's investigative activities were not intended to provide either a complete characterization of the subject site or a determination regarding the extent of any contaminant migration, but rather, to provide basic information concerning on-site conditions within the specific areas of concern.

EA has endeavored to meet what it believes is the applicable standard of care for the services completed and, in doing so, is obliged to advise its Client of the Focused Phase II ESA limitations. EA believes that providing information about limitations is essential to help its client identify and thereby manage risks. These risks may be able to be mitigated, and possibly eliminated, through additional research or investigation. EA will, upon request, advise its Client of the additional research opportunities available and the associated costs.

The findings and opinions conveyed via this ESA report are based upon information obtained during the performance of the investigation, and which EA believes is reliable. EA cannot, and does not, warrant the authenticity or reliability of the information sources it has relied upon in the development of the scope of work for this ESA. In those instances where additional services or service enhancements are included in the report as requested or authorized by the Client, specific limitations attendant to those services are presented in the text of the report.

1.3 Purpose of the Investigation

The purpose of this Focused Phase II Environmental Site Assessment was to assess recognized environmental conditions (RECs) identified in a Phase I Environmental Site Assessment[1], completed by EA, as follows:

- The subject site has been utilized as a dry cleaner, occupied by Vara's Dry Cleaning, since construction in 1946 through the present. According to Mr. Waterfield, only mineral spirits has been used at the subject site, as opposed to a chlorinated solvent. Historically, mineral spirits has been stored in three above-ground storage tanks (ASTs), two previously located along the southeastern exterior of the structure which were installed in 1946 and removed in the 1980s,

[1] "Phase I Environmental Site Assessment, Commercial Property, 4245 Clark Street, Hamburg, New York 14127" prepared for Bevrich Corp. (Robert Waterfield, President) by Environmental Advantage, Inc. dated August 25, 2022.

and one currently located along the southern exterior, which was installed in the 1980s and is still in service (removed since Phase I ESA). Evidence of staining was observed beneath this AST and around the dry cleaning equipment inside the building (removed since the Phase I ESA).

The concrete floor in the dry cleaning room exhibited staining, limited cracking and deterioration, and one floor drain was present which reportedly discharges to the rear of the property. Stressed vegetation and staining on the asphalt parking lot were observed and appeared to be associated with the boiler blowdown discharge from two pipes along the southwestern corner of the structure. Additionally, small volumes of wastewater from an air vacuum connected to the steamers were directly discharged to the ground surface along the southeastern exterior of the structure. In that regard, concern was identified with respect to possible past release(s) of mineral spirits and other chemicals utilized during routine operations (water-repellant, spot cleaning chemicals, etc.) related to its use, storage, and/or disposal.

- The eastern adjacent property, occupied by Dura Plating Inc., addressed at 4255 Clark Street, was listed on the database for several listings, including a Generator from a Hazardous Waste Manifest for the disposal of chromium. A manifest from 2002 listed the disposal of 800 pounds of “chromium contaminated soil”. No spill listing was associated with this manifest. In that regard, concern exists with the respect to possible past release(s) of chromium and other hazardous substances and/or chemicals related to its use, storage, and/or disposal at the eastern adjoining property.

In this context, EA recommended that a Focused Phase II ESA subsurface investigation be completed on the subject site using at least soil boring and monitoring well installations to assess if the soil profile and/or ground water have been impacted by the historical site and adjoining property usage. Also, a subslab vapor assessment was conducted to address the potential for subfloor petroleum and chlorinated solvent contaminants associated with former dry cleaning use.

1.4 Statement of Objectives

In accordance with ASTM Standard E1903-19, this Focused Phase II ESA was designed to meet the following objectives:

- Objective A – Assess if there has been a release of hazardous substances and/or petroleum products to environmental media within the meaning of CERCLA;

- Objective B – Provide information relevant to identifying, defining and/or evaluating property conditions associated with target analytes relative to applicable agency clean-up standards and guidance values; and

- Objective C – Provide information relevant to target analytes that may pose business environmental risk in transactional and contractual contexts, including transferring, financing and insuring properties and due diligence related thereto.

2.0 SITE CONDITIONS

2.1 Site Description and Features

The subject site consists of one parcel totaling approximately 0.38 acres of land located at 4245 Clark Street in the Village of Hamburg, Erie County, New York. The subject site is located on the southeast side of Clark Street, east of the Clark Street and Old Clark Street intersection (Refer to Figure 1 presented in Attachment A). The subject site is developed with a one-story approximate 4,336-square foot structure, originally constructed by 1946 with several later additions. According to Mr. Waterfield, the structure has been utilized as a dry cleaning facility since construction in 1946, occupied by Vara's Dry Cleaning through 2023.

2.2 Physical Setting

The USGS 7.5-minute Topographic Quadrangle Map of Hamburg, NY indicates that the subject Site's ground surface slopes northeasterly toward Rush Creek located approximately 0.56 miles northeast of the subject Site. The surface elevation for the subject Site is approximately 820 feet above mean sea level. Surface water drainage is expected to flow to storm drains located on-site within the parking lot or located along Clark Street. According to soils data obtained from the USDA Soil Conservation Service, the soil beneath the subject Site is classified as Alton fine gravelly loam (AmA), generally described as gravelly loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits, derived mainly from acidic rocks with limestone below 40 inches.

2.3 Site History and Land Use

According to the EA Phase I ESA, a summary of most probable Site history indicates that the subject Site was originally vacant land in the early 1900s. By 1946, the northern portion of the subject Site was developed with its current one-story structure. Since 1946, the structure has been utilized as dry cleaners, occupied by Vara's Dry Cleaners, through 2023.

3.0 INVESTIGATIVE ACTIVITIES

3.1 Exterior Soil Boring/Temporary Well Installation

Prior to performing on-site activities, underground utilities were located by the Underground Facilities Protection Organization. On-site field investigative activities were completed by EA with Matrix Environmental Technologies, Inc. (Matrix) on March 22, 2024. A direct-push Geoprobe rig was mobilized to the subject Site to install exterior soil/fill borings, some with temporary monitoring wells, if groundwater was encountered, in an effort to identify the presence of soil and/or groundwater contamination related to the conditions of concern described above.

Exterior soil borings were completed at eight (8) on-site locations within various identified areas of concern as depicted in Figure 2 in Attachment A. At each of the boring locations, direct push Geoprobe Macrocore probes were used to obtain discrete soil/fill samples continuously to refusal, boring requirements, and/or observed conditions. Upon completion of the soil borings, three (3) soil boring locations were converted into temporary monitoring wells in preparation for the collection of a groundwater sample.

Sampling equipment was initially decontaminated before use and again between each sampling location. The soil/fill encountered at each sampling location was visually described from the discrete samples obtained and included on the soil boring logs provided by Matrix in Attachment B. Upon collection, a portion of each discrete soil/fill sample was screened for the presence of volatile organic compounds (VOCs) using a pre-calibrated portable photo-ionization detector (PID) equipped with an organic vapor meter (OVM). OVM readings were identified above background levels (>0.5ppm) in the following soil borings:

- SB-02 (5'-6.5'): 0.6 ppm
- SB-05/MW-03 (0'-15'): ranged from 0.1 ppm – 611 ppm, with the highest recording at the 10'-12' interval
- SB-06 (0'-2'): 2.5 ppm
- SB-07 (0'-13'): ranged from 2.7 ppm – 511 ppm, with the highest recording at the 0'-1' interval
- SB-08 (5'-6'): 0.6 ppm

Soil/fill and groundwater samples were selected for analysis based on on-site observations and PID readings. Seven (7) soil/fill samples were selected from discrete samples SB-01/MW-01 (5-7.5'), SB-02 (0'-5'), SB-04/MW-02 (5-7.5'), SB-05/MW-03 (6.5-7.5'), SB-05 (10'-14'), SB-07 (0'-2'), and SB-07 (5'-7') for laboratory analysis.

Upon completing the soil borings, three (3) temporary monitoring wells constructed of 1" diameter schedule 40 PVC screen and riser pipe to a completion depth of 15.0 feet below grade were installed. After a period of time to allow recharge, a sample from each well was then collected using a new dedicated bailer for laboratory analysis. A total of three (3) groundwater samples were collected for analysis, one from each well.

Soil/fill samples and groundwater samples were placed in appropriate containers, sealed and labeled, preserved by cooling, and handled under chain of custody procedures until receipt by a NYSDEC-approved analytical laboratory. These samples were analyzed for the following analytical parameters:

Soil/Fill Samples

- SB-01/MW-01 (5-7.5') – total chromium via USEPA Method 6010D, total hexavalent chromium via USEPA Method 7196A, total solids via USEPA Method 2540G

- SB-02 (0'-5') – VOCs via USEPA Method 8260 (TCL + STARS List), total chromium via USEPA Method 6010D, total hexavalent chromium via USEPA Method 7196A, total solids via USEPA Method 2540G
- SB-04/MW-02 (5-7.5') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G
- SB-05/MW-03 (6.5-7.5') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G
- SB-05 (10'-14') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G
- SB-07 (0'-2') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G
- SB-07 (5'-7') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G

Groundwater

- SB-01/MW-01 – VOCs via USEPA Method 8260 (TCL + STARS List)
- SB-04/MW-02 – VOCs via USEPA Method 8260 (TCL + STARS List)
- SB-05/MW-03 – VOCs via USEPA Method 8260 (TCL + STARS List)

3.2 Interior Subslab Vapor Sampling

Interior subfloor vapor sampling was conducted at five (5) locations of the on-site building, as indicated on Figure 3 in Attachment A. The sampling was not conducted to New York State Department of Health (NYSDOH) standards as this data was intended to address only potential subfloor petroleum and chlorinated solvent contaminant sources associated with past dry cleaning use.

The subslab sample points consisted of a ½- inch diameter hole completed with a rotary hammer drill though a competent portion of the concrete floor, away from any cracks. Clean, dedicated ¼-inch inside diameter polyethylene tubing was placed into the hole and extended approximately 2-inches below the concrete floor. The core-hole annulus was sealed at the floor surface with modeling clay. Before inserting the Summa canister, 360 mL of air was purged from the hole using a syringe.

The subslab vapor samples were then collected using a 2.7-liter capacity Summa canister fitted with a laboratory calibrated flow regulation device to allow the collection of vapor samples for an 8-hour sample collection time. Pre- and post-sampling vacuum/air pressure readings were taken and recorded on a field sheet for this sampling apparatus. After the 8-hour sampling interval, the sampling canister was removed from its tubing/regulator. All vapor samples were successfully collected and were packaged and sent to Alpha Analytical in Westborough Massachusetts to be analyzed for volatile organic compounds (VOCs) via USEPA Method TO-15.

3.3 Interior Soil Boring/Temporary Well Installation

On-site field investigative activities were continued by EA with TREC Environmental, Inc. (TREC) on May 30, 2024. A special access direct-push Geoprobe rig was mobilized to the subject Site to install interior soil/fill borings and a temporary

monitoring well (in the event that groundwater was encountered) in an effort to identify the presence of soil and/or groundwater contamination related to the conditions of concern described within the on-site structure.

Soil borings were completed at three (3) interior locations within previously identified areas of concern as depicted in Figure 3 (Attachment A). At each of the boring locations, direct push Geoprobe Macrocore probes were used to obtain discrete soil/fill samples continuously to refusal, boring requirements, and/or observed conditions. Upon completion of the soil borings, one (1) soil boring location was converted into a temporary monitoring well to allow the collection of a groundwater sample.

Sampling equipment was initially decontaminated before use and again between each sampling location. The soil/fill encountered at each sampling location was visually described from the discrete samples obtained and included on the soil boring logs provided in Attachment B. Upon collection, a portion of each discrete soil/fill sample was screened for the presence of volatile organic compounds (VOCs) using a pre-calibrated portable photo-ionization detector (PID) equipped with an organic vapor monitor (OVM). OVM readings were identified above background levels (>0.5ppm) in the following soil borings:

- IB-01 (0'-10'): ranged from 5.4 ppm – 386 ppm, with the highest recording at 4' bg;
- IB-02/IW-01(0'-12'): ranged from 374 ppm – 1733 ppm, with the highest recording at 6.5' bg;
- IB-03 (0'-12'): ranged from 398 ppm – 1147 ppm, with the highest recording at 8' bg.

Soil/fill and groundwater samples were selected for analysis based on on-site observations and PID readings. Three (3) soil/fill samples were selected from discrete samples IB-01 (3.5-4.5'), IB-02/IW-01(6-7'), and IB-03 (7-8') for laboratory analysis.

Upon completing the soil borings, one (1) temporary monitoring well constructed of 1" diameter schedule 40 PVC screen and riser pipe to a completion depth of 12.0 feet below grade was installed. After a period of time to allow recharge, a sample from the well was then collected using a new dedicated bailer for laboratory analysis. A total of one (1) groundwater sample was collected for analysis. Additionally, sediment from the bottom of the groundwater sample was extracted by the laboratory and analyzed.

Soil/fill samples and the groundwater sample were placed in appropriate containers, sealed and labeled, preserved by cooling, and handled under chain of custody procedures until receipt by a NYSDEC-approved analytical laboratory. These samples were analyzed for the following analytical parameters:

Interior Soil/Fill Samples

- IB-01 (3.5-4.5') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G;

- IB-02/IW-01 (6-7') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G;
- IB-03 (7-8') – VOCs via USEPA Method 8260 (TCL + STARS List), total solids via USEPA Method 2540G.

Interior Groundwater
- IW-01(Water Layer) – VOCs via USEPA Method 8260 (TCL + STARS List)

Interior Sediment from Groundwater Sample
- IW-01 (Bottom Layer) – VOCs via USEPA Method 8260 (TCL + STARS List)

4.0 INTERPRETATION OF RESULTS

4.1 Discussion of Field Observations

Soil borings SB-01/MW-01 and SB-02 were completed along the eastern property boundary to assess for potential chromium contamination from the eastern adjoining property occupied by Dura Plating, Inc. Soil boring SB-01-/MW-01 was also completed in a presumed downgradient location on the subject Site on-site building.

Soil boring SB-03 was also completed in a presumed downgradient location on the subject Site and was placed to identify potential contamination associated with the on-site building's interior floor drain which reportedly discharges to the rear of the property; however, the discharge location has not been confirmed.

Soil boring SB-04/MW-02 was completed at the on-site building's boiler blowdown discharge location and slightly downgradient/cross-gradient from the former mineral spirits AST which was installed in 1980s and recently removed. SB-05/MW-03 was completed within the general proximity of the two historical mineral spirits ASTs which were installed in 1946 and removed in the 1980s. SB-06 was completed adjacent to the former air vacuum connected to the steamers in which small volumes of wastewater have been discharged to the ground surface. SB-07 was completed within the general proximity of a former mineral spirits AST which was installed in 1980s and recently removed. SB-08 was completed along the western property boundary.

Subsurface conditions encountered generally consisted of asphalt underlain by mostly sand with some silt and gravel fill ranging in depth from approximately 0 feet below grade (bg) to approximately 15 feet bg.

Interior subfloor vapor sampling was conducted at five (5) locations of the on-site building. A slight petroleum odor was observed at SV-03.

Interior boring IB-01 was completed at a presumed downgradient location from the former dry cleaning equipment and two former exterior mineral spirits ASTs mentioned above. IB-02/IW-01 was also completed in a location presumed to be downgradient from the former dry cleaning equipment and closer to the former exterior

mineral spirits ASTs as interior site conditions would allow. IB-03 was completed as close to interior subfloor vapor sample SV-05 as site conditions would allow. A fourth interior boring was attempted within the foundation of the former dry cleaning equipment; however, the concrete in this area exceeded 17" in thickness, and the special access Geoprobe was not able to drive through it. A petroleum odor was noted at all three interior boring locations.

Upon collection of the groundwater samples from interior temporary well IW-01, a suspect segregated layer was initially noted at the bottom of the sampling container. Given the historical use of the site, EA presumed that this layer potentially contained CVOCs which were identified at elevated concentrations in subslab vapor samples SV-04 and SV-05. A large sample volume was submitted to Alpha Analytical with the request for the lab to separately analyze each observed layer.

4.2 Discussion of Analytical Results

As indicated above, soil/fill samples submitted for laboratory analysis were selected primarily based upon historical use and/or Matrix's/EA's observations of the soil/fill materials encountered within the probe holes (i.e., odors, residues, discoloration, sheens, etc.) and the PID screening results. Six (6) exterior soil/fill samples were selected from SB-02 (0-5'), SB-04/MW-02 (5'-7.5'), SB-05/MW-03 (6.55'-7.5'), SB-05 (10'-14'), SB-07 (0'-2'), and SB-07 (5'-7'), prepared for transport using laboratory supplied containers, and submitted for laboratory analysis. Exterior soil/fill analytical results are summarized in Table 1 in Attachment C. Three (3) groundwater samples were selected from SB-01/MW-01, SB-04/MW-02, and SB-05/MW-03. Exterior groundwater analytical results are summarized in Table 2. Five (5) subfloor soil vapor samples were selected from SV-01, SV-02, SV-03, SV-04, and SV-05. The analytical results for the subfloor vapor samples are summarized in Table 3. Three interior soil/fill samples were selected from IB-01 (3.5-4.5'), IB-02/IW-01 (6-7'), and IB-03 (7-8'), prepared for transport using laboratory supplied containers, and submitted for laboratory analysis. Interior soil/fill analytical results are summarized in Table 4 in Attachment C. Interior groundwater analytical results and sediment results from the interior groundwater samples are summarized in Table 4 and Table 5, respectively. The full analytical reports are presented in Attachment D.

Soil Analytical Results

VOCs analytical test results detected up to sixteen (16) VOCs at concentrations above method detection limits in all six (6) exterior soil/fill samples submitted for analysis. Five petroleum-related contaminants (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-propylbenzene, o-xylene, and/or p/m-xylene) were detected at concentrations exceeding their respective NYSDEC Commissioners Policy 51 (CP-51) Soil Cleanup Levels (SCLs) in SB-05/MW-03 and/or SB-07; former mineral spirit AST locations. One petroleum-related contaminant of this group (1,2,4-trimethylbenzene) was detected above its respective NYSDEC 6 NYCRR Part 375 Residential Use Soil Cleanup Objective (RUSCO) in SB-07; however, this value was well below its respective NYSDEC Commercial Use Soil Cleanup Objective (CUSCO).

Chromium analytical test results detected both hexavalent chromium and trivalent chromium at concentrations above their respective NYSDEC Unrestricted Use Soil Cleanup Objective (UUSCO) in SB-01/MW-01. Trivalent chromium was detected above method detection limits in SB-02; however, this value was below its respective NYSDEC SCOs.

VOCs analytical test results detected up to fifteen (15) VOCs at concentrations above method detection limits in all three (3) interior soil/fill samples submitted for analysis. Seven petroleum-related contaminants (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, p/m-xylene, and toluene) were detected at concentrations exceeding their respective NYSDEC Commissioners Policy 51 (CP-51) Soil Cleanup Levels (SCLs) in IB-02/IW-01 and/or IB-03 located in the vicinity of the former dry cleaning equipment. One petroleum-related contaminant of this group (1,2,4-trimethylbenzene) was detected above its respective NYSDEC 6 NYCRR Part 375 Residential Use Soil Cleanup Objective (RUSCO) in IB-02/IW-01 and IB-03; however, this value was below its respective NYSDEC Commercial Use Soil Cleanup Objective (CUSCO). **Please Note**: The interior soil fill samples were originally submitted for TCL VOC analysis only, based on the results of the vapor samples identifying chlorinated VOC (CVOC) contaminants from subslab locations. The initial laboratory report noted "the sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample." Chromatograms included in the initial lab report depicted elevated levels of STARS List petroleum related contaminants. EA requested Alpha Analytical to reissue the lab reports for all interior media, including soil/fill, groundwater, and sediment, to include the STARS list contaminants.

Subslab Vapor Analytical Results:

This sampling was not conducted in accordance with New York State Department of Health (NYSDOH) guidance since these data were intended to address only the potential presence of subfloor petroleum and chlorinated solvent contaminants associated with former dry cleaning use. Up to twenty-eight (28) different VOCs were detected in the five vapor samples collected inside the Site building. In samples SV-01, SV-02, SV-03 and SV-05, there were no exceedances of the applicable NYSDOH subslab vapor "mitigate" decision matrix concentrations[2]. However, in vapor sample SV-04, three VOCs (1,2,4-trimethylbenzene, tetrachloroethene, and trichloroethene) exceeded their respective subslab vapor "mitigate" decision matrix concentrations. While the concentrations for 1,2,4-trimethylbenzene and trichloroethene are moderate level exceedances, the concentration for tetrachloroethene [7,190 parts per billion (ppb)] notably exceeds its respective "mitigate" subslab concentration of 1,000 ppb. New York State does not have specific standards, criteria, or guidance values for concentrations of VOCs in subslab vapor samples alone (when not compared to indoor air results).

[2] "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" dated October 2006, prepared by New York State Department of Health. Updated September 2013, August 2015, May 2017, and February 2024.

Groundwater Analytical Results:

VOCs analytical results detected up to fifteen (15) VOCs at concentrations above method detection limits in two (2) of the exterior groundwater samples collected for laboratory analysis from temporary monitoring wells MW-02 and MW-03. No VOCs were identified above method detection limits in the other groundwater sample submitted for analysis (MW-01).

Tetrachloroethene was detected above its respective NYSDEC TOGS 1.1.1 Class GA Criteria in MW-02, located at the boiler blowdown discharge location. Additionally, seven (7) petroleum-related VOCs (1,2,4-trimethylbenzene, benzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, and sec-butylbenzene) were detected at concentrations above respective NYSDEC TOGS 1.1.1 Class GA Criteria in MW-03, in the general proximity of the former mineral spirits ASTs.

VOCs analytical results detected up to sixteen (16) VOCs at concentrations above method detection limits in the interior groundwater samples collected for laboratory analysis from temporary monitoring well IW-01. Eight (8) petroleum-related VOCs (1,2,4-trimethylbenzene, 1,3,5- trimethylbenzene, benzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, and sec-butylbenzene) were detected at concentrations above respective NYSDEC TOGS 1.1.1 Class GA Criteria in IW-01 in the general proximity of the former dry cleaning equipment.

Groundwater Sediment Analytical Results:

VOCs analytical results detected thirteen (13) VOCs at concentrations above method detection limits in the interior sediment sample extracted from the groundwater sample collected for laboratory analysis from temporary monitoring well IW-01. One (1) petroleum-related VOCs (1,2,4-trimethylbenzene) was detected at a concentration above NYSDEC CP-51 Criteria.

4.3 Summary and Conclusions

Based on the results of this focused investigation, EA suggests that Objectives A and B as presented above in Section 1.4 were met. Limited evidence of recognizable petroleum-related contaminants was identified in soil samples from SB-05/MW-03 and SB-07 above NYSDEC's CP-51 SCLs. Various VOCs were also detected in soil samples SB-02, SB-04/MW-02, SB-05/MW-03, and SB-07; however, these values did not exceed applicable NYSDEC CP-51 SCLs. Limited evidence of chromium was also identified in on-site soil sample SB-01/MW-01 above NYSDEC UUSCOs; however, these values were below applicable NYSDEC CUSCOs for commercial properties. Evidence of recognizable petroleum-related and solvent-related contaminants was identified in groundwater samples SB-04/MW-02 and SB-05/MW-03 above NYSDEC's TOGS 1.1.1 Class GA Criteria. Based on follow-up conversations with the Site Owner, a water jacket of the historical vapor degreasing equipment recirculation system at this location may have been the source of the PCE in the boiler blowdown discharge which potentially had a limited impact on groundwater quality detected in SB-04/MW-02, although that discharge was reportedly to the parking area surface. No VOCs were detected in groundwater sample SB-01/MW-01.

In evaluating the soil and groundwater results, various results exceed their respective NYSDEC CP-51 SCLs, NYSDEC UUSCOs, NYSDEC RUSCOs and/or TOGS 1.1.1 Class GA Criteria. However, all soil results were below their respective NYSDEC's Commercial Use Soil Cleanup Objectives (CUSCOs), which is the proposed use of the subject site. Based on the Site's current configuration and existing appurtenances at the time of this Focused Phase II ESA, and considering the reported size of the mineral spirits AST recently removed, the subject site does not meet the definition of a NYSDEC Petroleum Bulk Storage "facility" as defined in 6 NYCRR Part 613 (x)(1) as "a single property, or contiguous or adjacent properties used for a common purpose and owned or operated by the same person or persons, on or in which are located: (i) one or more tank systems having a combined storage capacity of more than 1,100 gallons (including a major facility); or (ii) an underground storage tank system having a storage capacity that is greater than 110 gallons." Additionally, no free product was observed in any of the soil/fill borings or temporary monitoring wells completed. However, in consideration of the limited interior and exterior soil exceedances of CP-51, and the minimal to moderate groundwater exceedances of TOGS 1.1.1 for petroleum related contaminants, EA recommends reporting these site conditions to NYSDEC as evidence of a historical release. Given the overall condition of this site as identified in this extensive Focused Phase II Site Assessment, EA suggests that with the installation of a subslab vapor mitigation system, this site may be eligible for an inactive site status upon review by the NYSDEC.

In part based upon the soil and groundwater laboratory results which indicated the presence of chlorinated hydrocarbons, a subfloor soil vapor assessment was deemed necessary to address the potential presence of subfloor petroleum and/or chlorinated solvent contaminants associated with former dry cleaning use. Up to twenty-eight (28) different VOCs were detected in the five vapor samples collected inside the Site building. As described above, SV-04 exhibited at total of fifteen (15) different VOCs, three of which (1,2,4-trimethylbenzene, tetrachloroethene, and trichloroethene) exceeded their respective NYSDOH subslab vapor "mitigate" decision matrix concentrations, indicating mitigation is highly recommended for safe use of the building regardless of the respective compound's indoor air concentration. Considering the concentration for tetrachloroethene at 7,190 ppb, in this context it is EA's opinion that a subslab mitigation system is warranted within the vicinity of vapor sample SV-04 to mitigate the potential for CVOCs and petroleum vapor intrusion into the interior of the building.

Elevated hexavalent and trivalent chromium levels identified in the soil along the eastern property boundary may represent an impact associated with an off-site source.

4.4 Summary of Business Environmental Risk

Based on the results of this focused investigation, EA suggests that Objective C also presented above in Section 1.4 was met. The potential impact of the subslab vapor analytical results obtained for this Site compared to the proposed use of the building as a restaurant must be considered. Limited further Site characterization

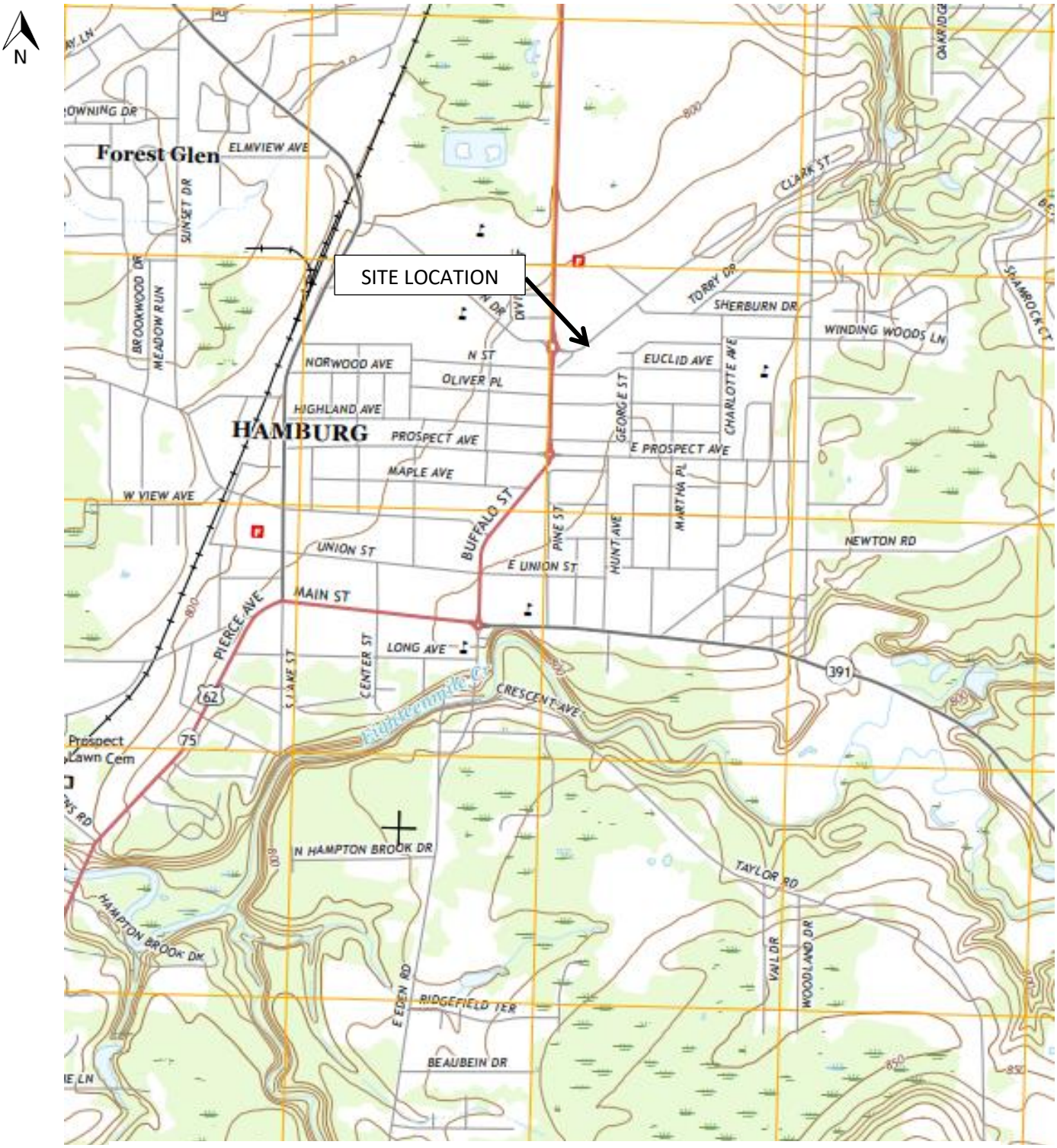
beneath the floor of the building slab provided both soil and groundwater sample results that did not support widespread (either vertically or laterally) CVOCs contamination in subslab media. Therefore, a modest subslab vapor collection system should provide adequate vapor control for the proposed use of the building.

It should be noted that sampling locations were selected in suspect areas of concern based on data and information provided in the EA Phase I ESA completed in August 2022. There is an apparent relationship between specific contaminants detected: 1) Location SB-04/MW-02, which was the location of the boiler blowdown discharge, exhibited very low levels of both petroleum and chlorinated solvents in the soil sample analyzed, moderately elevated tetrachloroethene in the groundwater sample analyzed, and is suspected of being in downgradient of the rear processing room where SV-04 was installed; 2) SB-07 is also suspected of being in downgradient of the rear processing room where SV-04 was installed, but no chlorinated contaminants were detected in the soil sample analyzed; 3) SB-05/MW-03 is located either upgradient or cross-gradient from the interior location of SV-04, with no chlorinated contaminants detected in the soil and groundwater samples analyzed; however, petroleum contaminants were detected at elevated levels in both the soil and groundwater samples analyzed; and 4) Interior boring/well IB-02/IW-01 installed in the vicinity of the historical dry cleaning equipment exhibited on VOC (1,2,4-trimethylbenzene) above the RUSCO and eight petroleum-related VOCs detected at concentrations above respective NYSDEC TOGS 1.1.1 Class GA Criteria. Considering this information, EA suggests that the chlorinated compounds detected at the boiler blowdown discharge likely had some connection to the water jacket of the historical vapor degreasing equipment recirculation system used for dry cleaning which led to a combined discharge. In addition, the contamination detected at both AST locations, SB-05/MW-03 and SB-07 are likely related to the historical presence of the tanks, although SB-05/MW-03 did exhibit contamination at a depth of 10’-14’ below grade, which may represent a source within the building.

EA can only warrant the Site conditions encountered in the specific areas of the Site that were investigated, with samples collected but not selected for analysis based on screening and visual characterization not yielding more than supplemental information. It is possible that due to this limited sampling protocol, other areas of concern further on-site may be identified with further testing for delineation.

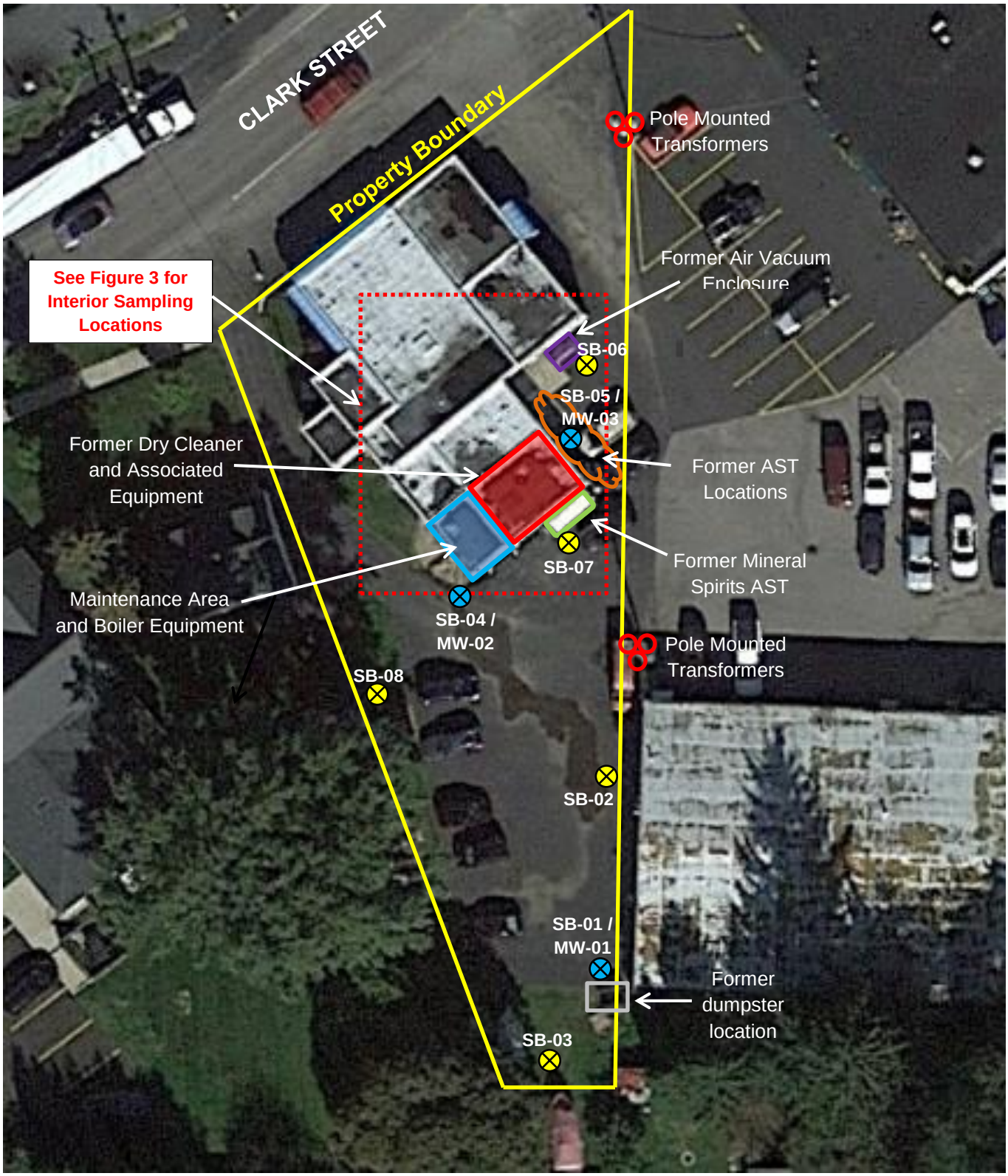
Attachment A

Figures



THIS DRAWING IS FOR ILLUSTRATIVE AND INFORMATIONAL PURPOSES ONLY AND WAS ADAPTED FROM USGS, HAMBURG, NEW YORK QUADRANGLE (2016).

ENVIRONMENTAL ADVANTAGE, INC. *Regulatory Compliance – Site Investigations – Facility Inspections*		
LOCATION PLAN 4245 CLARK STREET HAMBURG, NEW YORK		
WATERFIELD HAMBURG, NEW YORK		
DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: EA2305
CHECKED BY: CMH	DATE: 05/2024	FIGURE NO: 1



KEY

- Soil Boring Location
- Soil Boring & Temporary Monitoring Well Location

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

EXTERIOR SAMPLING LOCATIONS

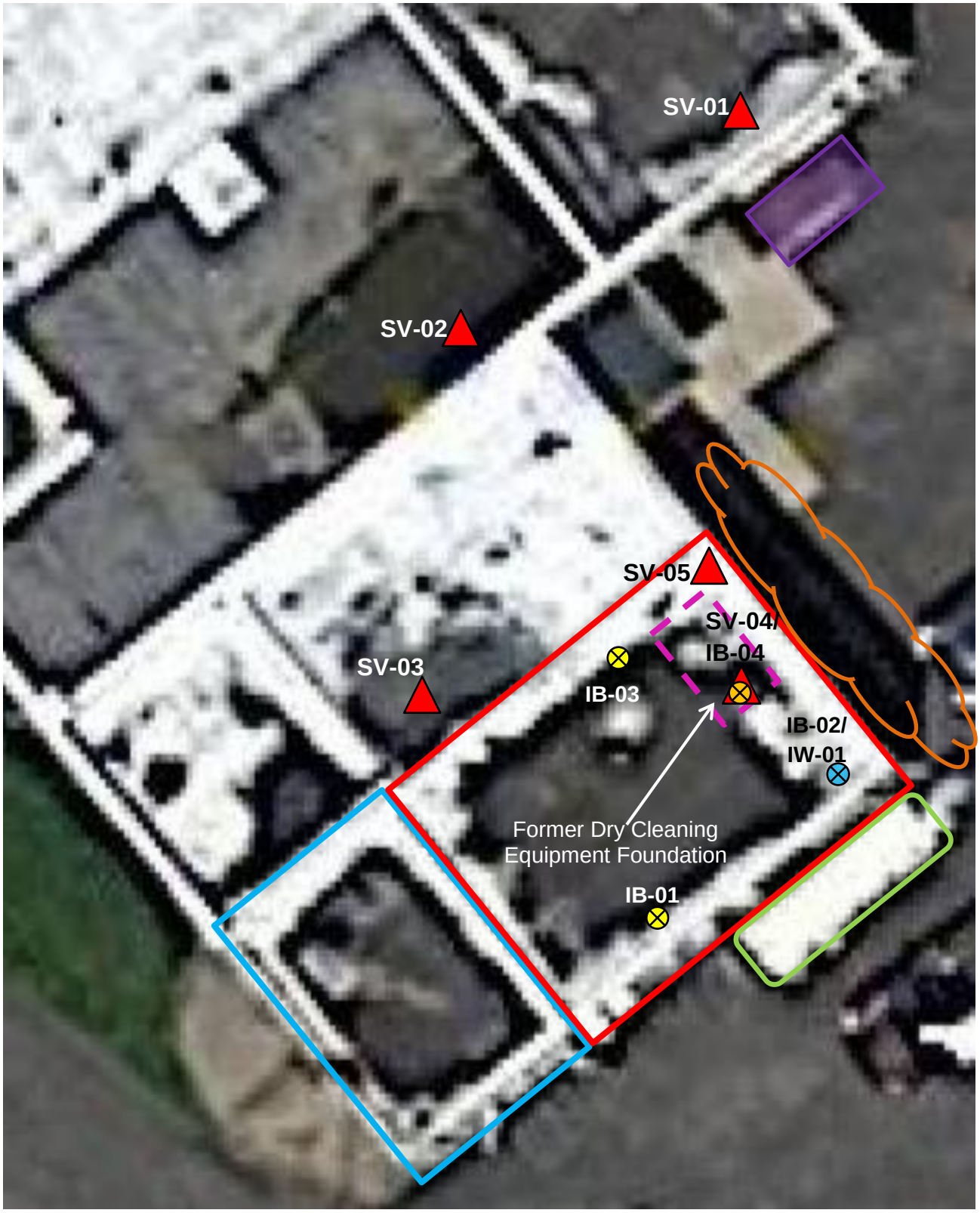
4245 CLARK STREET

HAMBURG, NEW YORK

WATERFIELD

HAMBURG, NEW YORK

DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: EA2305
CHECKED BY: CMH	DATE: 05/2024	FIGURE NO: 2



KEY

- Soil Boring Location
- Soil Boring & Temporary Monitoring Well Location
- Soil Vapor Location

ENVIRONMENTAL ADVANTAGE, INC.

Regulatory Compliance – Site Investigations – Facility Inspections

INTERIOR SAMPLING LOCATONS

4245 CLARK STREET
HAMBURG, NEW YORK

WATERFIELD

HAMBURG, NEW YORK

DRAWN BY: MB	SCALE: NOT TO SCALE	PROJECT: EA2305
CHECKED BY: MS	DATE: 06/2024	FIGURE NO: 3

Attachment B

Soil Boring Logs, Field Notes, & Vapor Sampling Sheets

Matrix Environmental Technologies Inc. — SUBSURFACE LOG

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB01/MW1**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	7'	GROUNDWATER DEPTH AFTER COMPLETION:	7.5' (measured in well)
WEATHER:	20° F, cloudy	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:	macrocore (L=60", OD=2.125")		

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**	0.0	39	Gray mf GRAVEL (a), trace f Sand (6"), dry, loose; overlying brown cf SAND, little cf Gravel, (3") dry, loose; overlying grayish brown mf SAND, little Silt, moist, medium dense.
1			0.0		
2			0.0		Brown f SAND, some Silt, moist, dense. Sand grain size varies from medium to fine in 6" lenses. Little mf Gravel (a, shale fragments) in bottom 6" of sample.
3					
4					
5	**2**	**5.0-10.0**	0.0	36	Grayish brown cf SAND, little (+) Silt, little cf Gravel (sr to sa), moist, medium dense.
6			0.0		Grayish brown cf SAND, little (-) Silt, trace (+) f Gravel (sr to sa), moist to wet, medium dense.
7			0.0		
8					Brown f SAND, wet, medium dense.
9					
10	**3**	**10.0-15.0**		45	
11			0.0		
12					Brown to grayish brown f SAND, wet, medium dense. 3" lense of mf SAND, some mf Gravel (sr) at 10'10".
13			0.0		
14					
15					End of boring.

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate. Set temporary monitoring well in borehole with 10' of 1" PVC well screen and 5' of 1" PVC casing.

Matrix Environmental Technologies Inc. — SUBSURFACE LOG

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB02**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	6'	GROUNDWATER DEPTH AFTER COMPLETION:	not measured
WEATHER:	20° F, cloudy	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:			macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		45	Asphalt (2"); overlying gray mf GRAVEL and mf SAND (3"), dry, loose; overlying grayish black to gray f SAND, some mf Gravel (a), trace Silt, dry to moist, medium dense.
1			0.0		
2			0.0		Gray f SAND and SILT, trace f Gravel, moist, dense.
3			0.0		Brown mf SAND, little (+) Silt, little (-) f Gravel (sa), moist, medium dense.
4					
5	**2**	**5.0-10.0**		31	Brown mf SAND, little (+) Silt, trace f Gravel (sr to sa), moist, medium dense.
6			0.6		Brown f SAND, wet, medium dense.
7			0.5		Brown mf SAND, trace Silt, trace f Gravel, wet, medium dense.
8					
9					
10	**3**	**10.0-15.0**			End of boring.
11					
12					
13					
14					
15					

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Switched to backup OVM on sample 2. The battery in the first OVM was used up. Background PID reading was 0.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB03**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	7.0'	GROUNDWATER DEPTH AFTER COMPLETION:	not measured
WEATHER:	20° F, cloudy, snowing	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:			macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**	0.5	45	TOPSOIL (silty) (2"); overlying brown SILT, some f Sand, trace f Gravel, moist, medium dense.
1			0.5		Brown mf SAND and SILT (w/roots), moist, medium dense.
2			0.5		Brown mf SAND, some Silt, trace (+) mf Gravel (sa), moist, medium dense, occasional lense of f SAND, little Silt.
3					
4					
5	**2**	**5.0-10.0**		31	
6			0.6		Brown mf SAND, little (+) Silt, trace f Gravel (sr to sa), moist, medium dense.
7			0.5		Brown f SAND, wet, medium dense.
8			0.5		Brown mf SAND, trace (+) f Gravel, wet, medium dense.
9					
10	**3**	**10.0-15.0**			End of boring.
11					
12					
13					
14					
15					

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading was 0.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB04/MW2**
START DATE:	#########	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	7.2'	GROUNDWATER DEPTH AFTER COMPLETION:	8.85' (measured in well)
WEATHER:	28° F, cloudy, snowing	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
		Sampler Type:	macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		39	TOPSOIL, silty (2"); overlying brown mf SAND, little (+) cf GRAVEL (sa to sr), little (-) Silt, moist, medium dense.
1			0.5		
2			0.5		Brown cf SAND, little (+) Silt, moist, dense. Occasional 2" lenses of cf GRAVEL (sr) and cf SAND.
3					
4					
5	**2**	**5.0-10.0**		31	Brown mf SAND, little (+) Silt, trace cf Gravel (sr to sa), moist, medium dense.
6			0.5		
7			0.5		Brown f SAND, wet, medium dense.
8					
9					
10	**3**	**10.0-15.0**		56	Brown f SAND,trace (-) Silt, wet, medium dense.
11			0.5		
12					
13			0.5		
14					
15					End of boring.

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading is 0.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate. Set temporary monitoring well in borehole with 10' of 1" PVC well screen and 5' of 1" PVC casing.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB05/MW3**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	9'	GROUNDWATER DEPTH AFTER COMPLETION:	9.91' (measured in well)
WEATHER:	28° F, cloudy, snowing	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:			macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		39	ASPHALT (2"); overlying dark gray cf GRAVEL and mf SAND (6"), dry, loose, overlying gray SILT, some f Sand, trace (+) f Gravel (sa to sr), moist, medium den
1			3.5		Brown and gray mf SAND, some Silt, little cf Gravel (sr), moist, dense. Occasional 2" lenses of cf GRAVEL (sr) and cf SAND.
2			0.1		
3					Brown, cf SAND, little Silt, little f Gravel, moist, medium dense.
4					
5	**2**	**5.0-10.0**		29	Brown mf SAND, little (+) Silt, trace mf Gravel (sr to sa), moist, medium dense.
6			5.0		
7			372		Gray f SAND, trace Silt, trace m Sand, moist to wet, medium dense, petroleum odor.
8					
9					
10	**3**	**10.0-15.0**		60	Gray f SAND, trace (-) Silt, wet, medium dense, petroleum odor.
11			611		
12			390		
13					
14			10.5		Gray and brown cf SAND, trace (-) Silt, wet.
15					End of boring.

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading is 0.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. Depth are approximate. Set temporary monitoring well in borehole with 10' of 1" PVC well screen and 5' of 1" PVC casing.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION: **4245 Clark St., Hamburg, NY** PROJECT No. **24-012**

CLIENT: **Environmental Advantage, Inc.** WELL/BORING ID: **SB06**

START DATE: 3/22/2024 COMPLETION DATE: 3/22/2024 RECORDED BY: Craig D. Zink, P.G.

GROUNDWATER DEPTH WHILE DRILLING: 7.5' GROUNDWATER DEPTH AFTER COMPLETION: not measured

WEATHER: 28° F, cloudy DRILLING CONTRACTOR / DRILLER: Matrix Environmental Technologies / R. Reagan

DRILL RIG: Geoprobe 6620 DT Direct Push 2 1/2" NPT HAMMER Type: Hydraulic

Sampler Type: macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		44	Asphalt (2"); overlying dark gray to gray mf SAND, little mf Gravel (sa), trace Silt (7"), dry, loose; overlying gray SILT and CLAY, moist, dense.
1			2.5		Grayish brown f SAND and SILT, trace f Gravel, moist, dense.
2					Brown mf SAND, dry, medium dense; occasional 2" layers with brown mf Gravel (sr), little (-) Silt.
3			1.5		
4					
5	**2**	**5.0-10.0**		42	Brown mf SAND, trace Silt, dry, medium dense.
6			1.5		Brown mf SAND, little (+) Silt, trace c Sand, dry to moist, medium dense.
7					Brown and grayish brown f SAND, trace Silt, trace f Gravel, moist in first 6" then wet, medium dense.
8			1.5		
9					
10	**3**	**10.0-15.0**			End of boring.
11					
12					
13					
14					
15					

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading was 1.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. De are approximate.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB07**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	6.8'	GROUNDWATER DEPTH AFTER COMPLETION:	not measured
WEATHER:	28° F, cloudy	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:			macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		27	Leaf litter (2"); overlying dark gray cf SAND, little cf GRAVEL, trace Silt (3"), dry, medium dense; overlying gray f SAND, some Silt, little cf Gravel (possible slag), dry, loose.
1			511		
2			378		Gray f SAND, little (+) Silt, trace f Gravel, dry, medium dense.
3					
4					
5	**2**	**5.0-10.0**		27	Orangish brown cf SAND, some Silt, trace mf Gravel (sr to sa), moist, medium dense.
			87		Gray and orangish brown (banded) mf SAND, little (+) Silt, wet, medium dense.
6			11.2		
7					Gray f SAND, trace Silt, trace m Sand, moist to wet, medium dense, petroleum odor.
8					
9					Gray f SAND, wet, medium dense.
10	**3**	**10.0-15.0**		39	
			30.3		
11					
12			2.7		3" of resample overlying grayish brown f SAND, wet, medium dense; 3" layer f Sand with organish brown color at 12'.
13					
14					
15					End of boring.

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading is 1.0 ppm. PID reading from 10 - 11.5' (30.3 ppm), may be elevated due to seepage from above layers. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate.

Matrix Environmental Technologies Inc. **SUBSURFACE LOG**

PROJECT & LOCATION:	**4245 Clark St., Hamburg, NY**	PROJECT No.	**24-012**
CLIENT:	**Environmental Advantage, Inc.**	WELL/BORING ID:	**SB08**
START DATE:	3/22/2024	COMPLETION DATE: 3/22/2024	RECORDED BY: Craig D. Zink, P.G.
GROUNDWATER DEPTH WHILE DRILLING:	6'	GROUNDWATER DEPTH AFTER COMPLETION:	not measured
WEATHER:	28° F, cloudy	DRILLING CONTRACTOR / DRILLER:	Matrix Environmental Technologies / R. Reagan
DRILL RIG:	Geoprobe 6620 DT	Direct Push 2 1/2" NPT HAMMER Type:	Hydraulic
Sampler Type:			macrocore (L=60", OD=2.125")

Sample Depth (ft)	Sample No.	Sample Interval (feet)	OVM Reading (ppm)	Recovery (inches)	SOIL DESCRIPTION AND DRILLING COMMENTS Burmeister Soil Classification System f-fine m-medium c-coarse sr - subrounded, r - rounded, sa - subangular, a - angular trace (0-10%, little (11-20%), some (21-35%), and (36-50%)
	1	**0.0-5.0**		36	TOPSOIL (2"); overlying brown mf SAND, little (+) Silt, little mf GRAVEL (a to sa), dry to moist, medium dense.
1			0.5		
2			0.5		Brown f SAND, little (+) Silt, little cf Gravel, moist, dense. Silt content decreases with depth.
3					
4					
5	**2**	**5.0-10.0**		24	Brown f SAND, little Silt, little cf Gravel (sr), wet, medium dense.
6			0.6		
7			0.5		Brown f SAND, little cm Gravel (sr), trace Silt, wet, medium dense.
8					
9					
10	**3**	**10.0-15.0**			End of boring.
11					
12					
13					
14					
15					

Notes: OVM readings collected with MiniRae 3000 w/10.6 eV lamp. Background PID reading was 0.5 ppm. Boundary between soil types represented with stratification line. Transitions may be gradual. Depths are approximate.

MATRIX
Environmental Technologies Inc.

DAILY FIELD REPORT

Job Name 4245 Clark St.
Job # Hamburg, N.Y.
Weather
Matrix personnel on site
Completed by Craig Zink

Date: 3-22-24
Time: from ____ to ____
Vehicle used:

Progress of Work "Soil Sample OVM Readings" "10.6 eV lamp"

SB01/MW1 - all readings 0.0 ppm; background 0.0 ppm

SB2 - all readings 0'-5' 0.0 ppm, 5'-6.5' 0.6 ppm, 6.5-7.5 0.5 ppm

SB3 - all readings at background 0.5 ppm

SB4/~~MW2~~ - all readings at background 0.5 ppm

SB5/MW3 - 0'-1.5' = 3.5 ppm, 1.5'-3.0' = 0.1 ppm, 5'-6.5' = 5.0 ppm, 6.5'-7.5' = 372 ppm, 10'-12' = 611 ppm, 12'-14' = 350 ppm, 14'-15' = 10.5 ppm

SB6 - all readings at background ~~1.0~~ 1.5 ppm except 0'-2' = 2.5 ppm

SB7 - 0'-1' = 511 ppm, 1'-2' = 378 ppm, 5'-6' = 87 ppm, 6'-7' = 11.2 ppm, 10'-11.5' = 30.3 ppm (may be higher due to gw seepage from above), 11.5'-13.0' = 2.7 ppm

SB8 - all readings at background except 0.6 ppm at 5'-6', background = 0.5 ppm during this boring.

Contractors on site:

Visitors on site:

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Waterfield Project No.: EA2305

Site Name & Address: Former Vara's 4245 Clark St.

Person(s) Performing Sampling: Collin Snyder

Sample Identification: SV-01

Sample Type: ☐Indoor Air (ambient) ☐Outdoor Air ☐Soil Vapor ☒Sub-slab Vapor

Date of Collection: 4/22/24 Setup Time: 8:59 Stop Time: 5:04

Sample Depth: 12"

Sample Height: —

Sampling Method(s) & Device(s): Suma Canister

Purge Volume: 100 mL

Sample Volume: 2.7

Sampling Canister Type & Size (if applicable): Suma

Canister # 520 Regulator # 01834

Vacuum Pressure of Canister Prior to Sampling: -29.59

Vacuum Pressure of Canister After Sampling: -4.82

Temperature in Sampling Zone: 60°

Apparent Moisture Content of Sampling Zone: Moderate

Soil Type in Sampling Zone: _____

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒Yes ☐No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:

Sampler's Signature Collin Snyder Date: 4/22/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Waterfield Project No.: EA2305

Site Name & Address: Former Vara's 4245 Clark St. Hamburg

Person(s) Performing Sampling: Collin Snyder

Sample Identification: SV-02

Sample Type: ☐Indoor Air (ambient) ☐Outdoor Air ☐Soil Vapor ☒Sub-slab Vapor

Date of Collection: 4/22/24 Setup Time: 9:26 Stop Time: 5:15

Sample Depth: 10"

Sample Height: —

Sampling Method(s) & Device(s): Suma Canister

Purge Volume: 100mL

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7 Suma

Canister # 411 Regulator # 01452

Vacuum Pressure of Canister Prior to Sampling: 28.43

Vacuum Pressure of Canister After Sampling: -5.35

Temperature in Sampling Zone: 60°

Apparent Moisture Content of Sampling Zone: moderate

Soil Type in Sampling Zone: _____

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒Yes ☐No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:

Canister pressure droped originaly to -23 the stabalized.

Sampler's Signature _____ Date: 4/22/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Waterfield Project No.: EA2305

Site Name & Address: Former Vara's 4245 Clark St.

Person(s) Performing Sampling: Collin Snyder

Sample Identification: SV-03

Sample Type: ☐Indoor Air (ambient) ☐Outdoor Air ☐Soil Vapor ☒Sub-slab Vapor

Date of Collection: 4/22/24 Setup Time: 9:45 Stop Time: 5:25

Sample Depth: 8"

Sample Height: —

Sampling Method(s) & Device(s): 2.7L Suma

Purge Volume: 100 mL

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Suma

Canister # 3401 Regulator # 0846

Vacuum Pressure of Canister Prior to Sampling: -29.88

Vacuum Pressure of Canister After Sampling: -5.58

Temperature in Sampling Zone: 60°

Apparent Moisture Content of Sampling Zone: moderate

Soil Type in Sampling Zone: _____

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒Yes ☐No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:
petroleum odor coming from hole.

Sampler's Signature Calli Snyder Date: 4/22/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Waterfield Project No.: EA2305

Site Name & Address: Former Vara's 4245 Clark St.

Person(s) Performing Sampling: Collin Snyder

Sample Identification: SV-04

Sample Type: ☐ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☒ Sub-slab Vapor

Date of Collection: 4/22/24 Setup Time: 10:05 Stop Time: 5:40

Sample Depth: 24"

Sample Height: —

Sampling Method(s) & Device(s): 2.7L Suma

Purge Volume: 2L

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): 2.7L Suma

Canister # 507 Regulator # 02240

Vacuum Pressure of Canister Prior to Sampling: -29.40

Vacuum Pressure of Canister After Sampling: -6.06

Temperature in Sampling Zone: 60°

Apparent Moisture Content of Sampling Zone: moderate

Soil Type in Sampling Zone: _____

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments: High amount of dust led to extended purging, Slab was almost 2' thick

Sampler's Signature: Collin Snyder Date: 4/22/24

Environmental Advantage

AIR/VAPOR SAMPLING FIELD DATA SHEET

Client: Waterfield Project No.: EA2305

Site Name & Address: Former Vara's 4245 Clark St.

Person(s) Performing Sampling: Collin Snyder

Sample Identification: SV-05

Sample Type: ☐ Indoor Air (ambient) ☐ Outdoor Air ☐ Soil Vapor ☒ Sub-slab Vapor

Date of Collection: 4/22/24 Setup Time: 10:10 Stop Time: 5:50

Sample Depth: 8"

Sample Height: —

Sampling Method(s) & Device(s): 2.7L Suma

Purge Volume: 100mL

Sample Volume: 2.7L

Sampling Canister Type & Size (if applicable): _____

Canister # 2076 Regulator # 0017

Vacuum Pressure of Canister Prior to Sampling: -29.60

Vacuum Pressure of Canister After Sampling: -7.86

Temperature in Sampling Zone: 60°

Apparent Moisture Content of Sampling Zone: Moderate

Soil Type in Sampling Zone: _____

Standard Chain of Custody Procedures Used for Handling & Delivery of Samples to Laboratory:

☒ Yes ☐ No. If no, provide reason(s) why? _____

Laboratory Name: Pace

Analysis: TO-15

Comments:

Sampler's Signature Collin Snyder Date: 4/22/24

Attachment C

Analytical Results Summary Tables

Table 1
Soil Analytical Results Summary
4245 Clark Street, Hamburg, NY

Location	NYSDEC CP-51	UUSCO	RUSCO	CUSCO	SB-01 / MW-01 (5'-7.5')	SB-02 (0'-5')	SB-04 / MW-02 (5'-7.5')	SB-05 / MW-03 (6.5'-7.5')	SB-05 / MW-03 (10'-14')	SB-07 (0'-2')	SB-07 (5'-7')
Sampling Date					03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024	03/22/2024
Lab Sample ID					L2416145-01	L2416145-02	L2416145-03	L2416145-04	L2416145-05	L2416145-06	L2416145-07
Volatile Organic Compounds Analysis via EPA Method 8260 (mg/kg)											
1,1-Dichloroethane	NV	0.27	19	240	NT	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	NV	0.33	100	500	NT	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	3.6	47	190	NT	0.014	0.0054	18	0.650 J	97	6.7
1,2-Dichlorobenzene	NV	1.1	100	500	NT	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NV	0.02	2.3	30	NT	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	8.4	47	190	NT	0.0032	0.001 J	0.36 J	ND	23	1.6
1,3-Dichlorobenzene	NV	2.4	17	280	NT	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NV	1.8	9.8	130	NT	ND	ND	ND	ND	ND	ND
Acetone	NV	0.05	100	500	NT	ND	ND	ND	ND	ND	ND
Benzene	0.06	0.06	2.9	44	NT	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	NV	0.76	1.4	22	NT	ND	ND	ND	ND	ND	ND
Chloroform	NV	0.37	10	350	NT	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NV	0.25	59	500	NT	ND	ND	ND	ND	ND	ND
Cyclohexane	NV	NV	NV	NV	NT	ND	ND	0.450 J	ND	ND	ND
Ethylbenzene	1	1	30	390	NT	0.00029 J	ND	ND	ND	0.190 J	0.020 J
Isopropylbenzene	2.3	NV	NV	NV	NT	0.0006 J	0.00054 J	0.570 J	1.3	0.680	0.060
Methyl cyclohexane	NV	NV	NV	NV	NT	ND	ND	0.440 J	ND	ND	ND
Methyl ethyl ketone (2-Butanone)	NV	0.12	100	500	NT	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether (MTBE)	0.93	0.93	62	500	NT	ND	ND	ND	ND	ND	ND
Methylene chloride	NV	0.05	51	500	NT	ND	ND	ND	ND	ND	ND
Naphthalene	12	12	100	500	NT	0.00067 J	ND	1 J	2 J	6.8	0.390
n-Butylbenzene	12	12	100	500	NT	0.00076 J	0.0013	5.3	8	7.4	0.590
n-Propylbenzene	3.9	3.9	100	500	NT	0.0022	0.002	2.8	5.3	2.5	0.210
o-Xylene	0.26	0.26	100	500	NT	0.00066 J	ND	ND	ND	0.970	0.071
p/m-Xylene	0.26	0.26	100	500	NT	0.0012 J	ND	ND	ND	1.3	0.120
p-Isopropyltoluene	10	NV	NV	NV	NT	0.00073 J	0.00019 J	2.5	ND	8.1	0.610
sec-Butylbenzene	11	11	100	500	NT	0.00091 J	0.0011	3.6	5.8	5	0.430
tert-Butylbenzene	5.9	5.9	100	500	NT	ND	ND	0.2 J	0.310 J	0.330 J	0.023 J
Tetrachloroethene	NV	1.3	5.5	150	NT	0.0069	0.01	ND	ND	ND	ND
Toluene	0.7	0.7	100	500	NT	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NV	0.19	100	500	NT	ND	ND	ND	ND	ND	ND
Trichloroethene	NV	0.47	10	200	NT	ND	0.00074	ND	ND	ND	ND
Vinyl chloride	NV	0.02	0.21	13	NT	ND	ND	ND	ND	ND	ND
Metals Analysis (mg/kg)											
Chromium, hexavalent	NV	1	22	400	6.46	ND	NT	NT	NT	NT	NT
Chromium, trivalent	NV	30	36	1500	33.54	13.7	NT	NT	NT	NT	NT

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. mg/kg = parts per million.
3. ND = not detected; NT = not tested; NV = no value; NS = Not Specified.
4. Analytical results compared to NYSDEC CP-51 Soil Cleanup Guidance for gasoline and fuel contaminated soils and NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs); Table 375 6.8(b): Restricted Use SCOs.
5. J = Estimated value. The target analyte is below the reporting limit (RL), but above the method dectection limit (MDL).
6. Shading indicates:
   - exceeds CP-51 Soil Cleanup Levels for gasoline and fuel oil contaminated soils
   - exceeds UUSCO - Unrestricted Use Soil Cleanup Objective
   - exceeds RUSCO - Residential Use Soil Cleanup Objective
   - exceeds CUSCO - Commercial Use Soil Cleanup Objective
   - Reporting limit is greater than the regulatory limit for this parameter due to sample dilution

Environmental Advantage

Table 2
Groundwater Analytical Summary Results
4245 Clark Street, Hamburg, NY

Location	NYSDEC	SB-01 / MW-01	SB-04 / MW-02	SB-05 / MW-03
Sampling Date	TOGS Class	03/22/2024	03/22/2024	03/22/2024
Lab Sample ID	GA Criteria	L2416144-01	L2416144-02	L2416144-03
Volatile Organic Compounds via USEPA Method 8260 (ug/L)				
1,1,1-Trichloroethane	5	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	13
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND
Acetone	50	ND	ND	6.8 J
Benzene	1	ND	ND	1.5
Bromomethane	5	ND	ND	ND
Chlorobenzene	5	ND	ND	ND
Chloroethane	5	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND
Cyclohexane	NV	ND	ND	5.9 J
Dichlorodifluoromethane	5	ND	ND	ND
Ethylbenzene	5	ND	ND	3.9 J
Freon-113	5	ND	ND	ND
Isopropylbenzene	5	ND	ND	18
Methyl cyclohexane	NV	ND	ND	3.9 J
Methylene chloride	5	ND	ND	ND
Naphthalene	10	ND	ND	55
n-Butylbenzene	5	ND	ND	26
n-Propylbenzene	5	ND	ND	53
o-Xylene	5	ND	ND	ND
p/m-Xylene	5	ND	ND	3.0 J
p-Isopropyltoluene	5	ND	ND	ND
sec-Butylbenzene	5	ND	ND	26
Styrene	5	ND	ND	ND
tert-Butylbenzene	5	ND	ND	2.1 J
Tetrachloroethene	5	ND	11	ND
Toluene	5	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND
Trichloroethene	5	ND	0.99	ND
Trichlorofluoromethane	5	ND	ND	ND
Vinyl chloride	2	ND	ND	ND

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. ug/L = parts per billion
3. ND = Non-detect; NT = not tested; NV = no value.
4. Analytical results compared to NYSDEC Ambient Water Quality Standards and Guidance Values, derived from Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-706, Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1)
5. J = Estimated value. The target analyte is below the reporting limit (RL), but above the method dectection limit (MDL).
6. Shading indicates: exceeds NYSDEC TOGS Class GA Criteria. Reporting limit is greater than the regulatory limit for this parameter due to sample dilution

Table 3
Subslab Analytical Summary Results
4245 Clark Street, Hamburg, NY

LOCATION	NYSDOH Matrix "Mitigate" Subslab Value	SV-01	SV-02	SV-03	SV-04	SV-05
SAMPLING DATE		4/22/2024	4/22/2024	4/22/2024	4/22/2024	4/22/2024
LAB SAMPLE ID		L2422054-01	L2422054-02	L2422054-03	L2422054-04	L2422054-05
Volatile Organics in Air (ug/m^3)						
1,1,1-Trichloroethane	**1000**	ND	ND	ND	ND	ND
1,1-Dichloroethene	**60**	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**600**	3.85	3.6	4.14	865	ND
1,3,5-Trimethylbenzene	**600**	1.09	1.07	ND	275	ND
1,3-butadiene	NV	ND	ND	ND	ND	18.4
1,4-Dioxane	NV	ND	ND	2.44	ND	ND
2,2,4-trimethylpentane	**600**	ND	ND	ND	ND	ND
2-Butanone (Methyl Ethyl Ketone)	NV	3.01	ND	10.6	ND	47.5
4-ethyltoluene	NV	1.47	1.44	ND	158	ND
4-Methyl-2-pentanone	NV	ND	ND	5	352	15.2
Acetone	NV	43.2	51.5	1460	10500	230
Benzene	**600**	11.6	7.57	20.1	116	38.7
Bromomethane	NV	0.792	ND	ND	ND	ND
Carbon disulfide	NV	ND	ND	ND	ND	65.7
Carbon tetrachloride	**60**	ND	ND	ND	ND	ND
Chlorobenzene	NV	ND	1.61	ND	ND	ND
Chloromethane	NV	ND	0.485	ND	ND	ND
cis-1,2-Dichloroethene	**60**	ND	ND	ND	ND	88
Cyclohexane	**600**	19	19.5	36.5	297	27.6
Dichlorodifluoromethane	NV	2.18	2.34	2.26	ND	2.53
Ethanol	NV	ND	ND	34.7	ND	ND
Ethylbenzene	**600**	43.2	33.7	39.1	364	50.4
Heptane	**2000**	42.6	17.3	81.6	971	43.4
Isopropanol	NV	25.6	1.84	16.6	ND	4.77
Methylene chloride	**1000**	ND	ND	ND	ND	ND
n-Hexane	**2000**	63.1	32.2	99.4	663	76.8
Naphthalene	**600**	ND	ND	ND	ND	ND
o-Xylene	**600**	51.3	36.4	39.2	578	52.6
p/m-Xylene	**2000**	185	142	164	1160	157
Tertiary butyl Alcohol	NV	ND	ND	10.2	ND	6.88
Tetrachloroethene	**1000**	4.74	1.55	80	7190	19
Tetrahydrofuran	NV	ND	2.57	ND	ND	5.49
Toluene	**3000**	46	33.1	62.6	497	46
Trichloroethene	**60**	ND	6.66	13.6	249	7.26
Vinyl chloride	**60**	ND	ND	ND	ND	ND

Notes:

1. NYSDOH Matrix Guideline compounds and other compounds detected in one or more samples included in this table. For a list of all compounds, refer to analytical report.

2. Analytical testing for VOCs via TO-15 completed by Alpha Laboratories; Samples were collected during a 8-hour sample duration; Results present in ug/m3 or microgram per cubic meter.

3. Air Guideline Values and Matrix 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. Updated September 2013, August 2015, May 2017, and February 2024.

4. **BOLDED** compounds = NYSDOH Matrix Compound

5. ND = Non Detect; NV = No Value.

6. Shading indicates: Exceedance of NYSDOH Matrix "Mitigate" Subslab Value; Reporting limit is greater than the regulatory value for this parameter due to sample dilution

Environmental Advantage

Table 4
Interior Soil Analytical Results Summary
4245 Clark Street, Hamburg, NY

Location	NYSDEC CP-51	UUSCO	RUSCO	CUSCO	IB-01 3.5'-4.5'	IB-02 6'-7'	IB-03 7'-8'	IW-01 (BOTTOM LAYER)
Sampling Date					5/30/2024	5/30/2024	5/30/2024	5/30/2024
Lab Sample ID					L2430322-01	L2430322-02	L2430322-03	L2432463-01
Volatile Organic Compounds Analysis (mg/kg)					EPA Method 8260			EPA Method 5035 High
1,1-Dichloroethane	NV	0.27	19	240	ND	ND	ND	ND
1,1-Dichloroethene	NV	0.33	100	500	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	3.6	47	190	0.66E	130	110	4.5
1,2-Dichlorobenzene	NV	1.1	100	500	ND	ND	ND	ND
1,2-Dichloroethane	NV	0.02	2.3	30	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	8.4	47	190	0.19	25	30	0.52
1,4-Dichlorobenzene	NV	1.8	9.8	130	ND	ND	ND	ND
1,4-Dioxane	NV	0.1	9.8	130	ND	ND	ND	ND
2-Butanone	NV	0.12	100	500	ND	ND	ND	ND
Acetone	NV	0.05	100	500	0.011	ND	ND	ND
Benzene	0.06	0.06	2.9	44	ND	ND	ND	ND
Carbon tetrachloride	NV	0.76	1.4	22	ND	ND	ND	ND
Chloroform	NV	0.37	10	350	ND	ND	ND	ND
cis-1,2-Dichloroethene	NV	0.25	59	500	ND	ND	ND	ND
Ethylbenzene	1	1	30	390	0.00089J	0.36J	0.38J	0.013J
Isopropylbenzene	2.3	NV	NV	NV	0.006	1.6	1.4	0.12
Methyl cyclohexane	NV	NV	NV	NV	0.00076J	ND	ND	0.051J
Methyl tert butyl ether	0.93	0.93	62	500	ND	ND	ND	ND
Methylene chloride	NV	0.05	51	500	ND	ND	ND	ND
n-Butylbenzene	12	12	100	500	0.053	15	14	2.3
n-Propylbenzene	3.9	3.9	100	500	0.026	5.9	5.3	0.52
Naphthalene	12	12	100	500	0.015	3.7J	5.3	0.56
o-Xylene	0.26	NV	NV	NV	0.0016	ND	ND	0.02J
p-Isopropyltoluene	10	NV	NV	NV	0.064	12	13	0.63
p/m-Xylene	0.26	NV	NV	NV	0.0069	1J	1.9	0.053J
sec-Butylbenzene	11	11	100	500	0.044	9.1	8.8	1.5
tert-Butylbenzene	5.9	5.9	100	500	0.0034	0.51J	0.52J	0.1
Tetrachloroethene	NV	1.3	5.5	150	0.00037J	ND	ND	ND
Toluene	0.7	0.7	100	500	0.00074J	1.1	0.35J	ND
trans-1,2-Dichloroethene	NV	0.19	100	500	ND	ND	ND	ND
Trichloroethene	NV	0.47	10	200	ND	ND	ND	ND
Vinyl chloride	NV	0.02	0.21	13	ND	ND	ND	ND
Xylenes, Total	0.26	0.26	100	500	0.0085	1J	1.9	0.073J

Notes:

1. Analytical testing performed by Alpha Analytical. Compounds detected in one or more samples are presented in this table. Refer to Appendix for the full analytical report.
2. mg/kg = parts per million.
3. ND = not detected; NT = not tested; NV = no value; NS = Not Specified.
4. Analytical results compared to NYSDEC CP-51 Soil Cleanup Guidance for gasoline and fuel contaminated soils and NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs); Table 375 6.8(b): Restricted Use SCOs.
5. J = Estimated value. The target analyte is below the reporting limit (RL), but above the method dectection limit (MDL); E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
6. Shading indicates:
   - exceeds CP-51 Soil Cleanup Levels for gasoline and fuel oil contaminated soils
   - exceeds UUSCO - Unrestricted Use Soil Cleanup Objective
   - exceeds RUSCO - Residential Use Soil Cleanup Objective
   - exceeds CUSCO - Commercial Use Soil Cleanup Objective
   - Reporting limit is greater than the regulatory limit for this parameter due to sample dilution

Environmental Advantage

Table 5
Interior Water Analytical Summary Results
4245 Clark Street, Hamburg, NY

Location	NYSDEC TOGS Class GA Criteria	IW-01 (WATER LAYER)
Sampling Date		5/30/2024
Lab Sample ID		L2430553-01
Volatile Organic Compounds via USEPA Method 8260 (ug/L)		
1,1,2-Trichloroethane	1	ND
1,2,4-Trimethylbenzene	5	120
1,2-Dibromo-3-chloropropane	0.04	ND
1,2-Dibromoethane	0.0006	ND
1,2-Dichloropropane	1	ND
1,3,5-Trimethylbenzene	5	8.8
Acetone	50	6.2
Benzene	1	2.4
cis-1,2-Dichloroethene	5	0.75J
cis-1,3-Dichloropropene	0.4	ND
Cyclohexane	NV	0.27J
Dichlorodifluoromethane	5	ND
Ethylbenzene	5	1.9J
Isopropylbenzene	5	5.7
n-Butylbenzene	5	15
n-Propylbenzene	5	12
Naphthalene	10	24
o-Xylene	5	1.3J
p-Isopropyltoluene	5	4.7
p/m-Xylene	5	4.1
sec-Butylbenzene	5	17
tert-Butylbenzene	5	1.4J
trans-1,3-Dichloropropene	0.4	ND
Xylenes, Total		5.4J

Notes:
1. Analytical testing performed by Alpha Analytical. Refer to appendix for the full analytical report.
2. ug/L = parts per billion
3. ND = Non-detect; NT = Not tested; NV = No Value.
4. Analytical results compared to NYSDEC Ambient Water Quality Standards
5. J = Estimated value. The target analyte is below the reporting limit (RL), but
6. Shading indicates:
   - exceeds NYSDEC TOGS Class GA Criteria
   - Reporting limit is greater than the regulatory limit for this parameter due to sample dilution

Environmental Advantage

Attachment D

Laboratory Analytical Reports

ANALYTICAL REPORT

Lab Number:	L2416145
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD PHASE 2 ESA
Project Number:	EA2305
Report Date:	04/01/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416145
Report Date: 04/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2416145-01	SB-01/MW-01 (5'-7.5')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 10:00	03/25/24
L2416145-02	SB-02 (0'-5')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 09:30	03/25/24
L2416145-03	SB-04/MW-02 (5'-7.5')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 10:40	03/25/24
L2416145-04	SB-05/MW-03 (6.5'-7.5')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 11:10	03/25/24
L2416145-05	SB-05 (10'-14')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 11:10	03/25/24
L2416145-06	SB-07 (0'-2')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 11:40	03/25/24
L2416145-07	SB-07 (5'-7')	SOIL	4245 CLARK STREET, HAMBURG	03/22/24 11:40	03/25/24

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

Case Narrative

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

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

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

Soil/sediments, 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: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145
Project Number: EA2305 **Report Date:** 04/01/24

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

L2416145-01: The collection date and time on the chain of custody was 22-MAR-24 18:50; however, the collection date/time on the container label was 22-MAR-24 10:00. At the client's request, the collection date/time is reported as 22-MAR-24 10:00.

L2416145-01: The sample identified as "SB-01/MW-01 (5'-7.5')" on the chain of custody was identified as "SB-01 (5'-7.5')" on the container label. At the client's request, the sample is reported as "SB-01/MW-01 (5'-7.5')".

L2416145-03: The sample identified as "SB-04/MW-02 (5'-7.5')" on the chain of custody was identified as "SB-04 (5'-7.5')" on the container label. At the client's request, the sample is reported as "SB-04/MW-02 (5'-7.5')".

L2416145-04: The sample identified as "SB-05/MW-03 (6.5'-7.5')" on the chain of custody was identified as "SB-05 (6.5'-7.5')" on the container label. At the client's request, the sample is reported as "SB-05/MW-03 (6.5'-7.5')".

Volatile Organics

L2416145-02 through -07: 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.

L2416145-04D and -05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2416145-04D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (174%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2416145-05D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (150%);

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

Case Narrative (continued)

however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.
L2416145-06D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (170%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.
L2416145-07: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (185%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Total Metals
L2416145-01 and -02: The sample has an elevated detection limit due to the dilution required by the sample matrix.

Hexavalent Chromium
The WG1902427-2 LCS recovery for chromium, hexavalent (75%), associated with L2416145-01 and -02, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/01/24

ORGANICS

VOLATILES

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-02
Client ID: SB-02 (0'-5')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 09:30
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 01:59
Analyst: JIC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	6.9		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	0.29	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-02 Date Collected: 03/22/24 09:30

Client ID: SB-02 (0'-5') Date Received: 03/25/24

Sample Location: 4245 CLARK STREET, HAMBURG 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/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	1.2	J	ug/kg	2.0	0.56	1
o-Xylene	0.66	J	ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	0.76	J	ug/kg	1.0	0.17	1
sec-Butylbenzene	0.91	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	0.66	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.73	J	ug/kg	1.0	0.11	1
Naphthalene	0.67	J	ug/kg	4.0	0.65	1
n-Propylbenzene	2.2		ug/kg	1.0	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	3.2		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	14		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	4.0	0.95	1
Cyclohexane	ND		ug/kg	10	0.54	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	114		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-03
Client ID: SB-04/MW-02 (5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 10:40
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 02:23
Analyst: JIC
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	10		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	0.74		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-03 Date Collected: 03/22/24 10:40

Client ID: SB-04/MW-02 (5'-7.5') Date Received: 03/25/24

Sample Location: 4245 CLARK STREET, HAMBURG 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/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	1.3		ug/kg	1.1	0.19	1
sec-Butylbenzene	1.1		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	0.54	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.19	J	ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
n-Propylbenzene	2.0		ug/kg	1.1	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	1.0	J	ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	5.4		ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.61	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	109		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-04 D
Client ID: SB-05/MW-03 (6.5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 02:46
Analyst: JIC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3200	1500	10
1,1-Dichloroethane	ND		ug/kg	650	94.	10
Chloroform	ND		ug/kg	970	91.	10
Carbon tetrachloride	ND		ug/kg	650	150	10
1,2-Dichloropropane	ND		ug/kg	650	81.	10
Dibromochloromethane	ND		ug/kg	650	91.	10
1,1,2-Trichloroethane	ND		ug/kg	650	170	10
Tetrachloroethene	ND		ug/kg	320	130	10
Chlorobenzene	ND		ug/kg	320	82.	10
Trichlorofluoromethane	ND		ug/kg	2600	450	10
1,2-Dichloroethane	ND		ug/kg	650	170	10
1,1,1-Trichloroethane	ND		ug/kg	320	110	10
Bromodichloromethane	ND		ug/kg	320	71.	10
trans-1,3-Dichloropropene	ND		ug/kg	650	180	10
cis-1,3-Dichloropropene	ND		ug/kg	320	100	10
Bromoform	ND		ug/kg	2600	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	320	110	10
Benzene	ND		ug/kg	320	110	10
Toluene	ND		ug/kg	650	350	10
Ethylbenzene	ND		ug/kg	650	91.	10
Chloromethane	ND		ug/kg	2600	600	10
Bromomethane	ND		ug/kg	1300	380	10
Vinyl chloride	ND		ug/kg	650	220	10
Chloroethane	ND		ug/kg	1300	290	10
1,1-Dichloroethene	ND		ug/kg	650	150	10
trans-1,2-Dichloroethene	ND		ug/kg	970	89.	10
Trichloroethene	ND		ug/kg	320	89.	10
1,2-Dichlorobenzene	ND		ug/kg	1300	93.	10

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-04 D
Client ID: SB-05/MW-03 (6.5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
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/kg	1300	96.	10
1,4-Dichlorobenzene	ND		ug/kg	1300	110	10
Methyl tert butyl ether	ND		ug/kg	1300	130	10
p/m-Xylene	ND		ug/kg	1300	360	10
o-Xylene	ND		ug/kg	650	190	10
cis-1,2-Dichloroethene	ND		ug/kg	650	110	10
Styrene	ND		ug/kg	650	130	10
Dichlorodifluoromethane	ND		ug/kg	6500	590	10
Acetone	ND		ug/kg	6500	3100	10
Carbon disulfide	ND		ug/kg	6500	2900	10
2-Butanone	ND		ug/kg	6500	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6500	830	10
2-Hexanone	ND		ug/kg	6500	760	10
1,2-Dibromoethane	ND		ug/kg	650	180	10
n-Butylbenzene	5300		ug/kg	650	110	10
sec-Butylbenzene	3600		ug/kg	650	94.	10
tert-Butylbenzene	200	J	ug/kg	1300	76.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1900	650	10
Isopropylbenzene	570	J	ug/kg	650	71.	10
p-Isopropyltoluene	2500		ug/kg	650	71.	10
Naphthalene	1000	J	ug/kg	2600	420	10
n-Propylbenzene	2800		ug/kg	650	110	10
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	10
1,3,5-Trimethylbenzene	360	J	ug/kg	1300	120	10
1,2,4-Trimethylbenzene	18000		ug/kg	1300	220	10
Methyl Acetate	ND		ug/kg	2600	620	10
Cyclohexane	450	J	ug/kg	6500	350	10
Freon-113	ND		ug/kg	2600	450	10
Methyl cyclohexane	440	J	ug/kg	2600	390	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	**174**	Q	70-130
Dibromofluoromethane	114		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-05 D
Client ID: SB-05 (10'-14')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 03:09
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6000	2800	20
1,1-Dichloroethane	ND		ug/kg	1200	180	20
Chloroform	ND		ug/kg	1800	170	20
Carbon tetrachloride	ND		ug/kg	1200	280	20
1,2-Dichloropropane	ND		ug/kg	1200	150	20
Dibromochloromethane	ND		ug/kg	1200	170	20
1,1,2-Trichloroethane	ND		ug/kg	1200	320	20
Tetrachloroethene	ND		ug/kg	600	240	20
Chlorobenzene	ND		ug/kg	600	150	20
Trichlorofluoromethane	ND		ug/kg	4800	840	20
1,2-Dichloroethane	ND		ug/kg	1200	310	20
1,1,1-Trichloroethane	ND		ug/kg	600	200	20
Bromodichloromethane	ND		ug/kg	600	130	20
trans-1,3-Dichloropropene	ND		ug/kg	1200	330	20
cis-1,3-Dichloropropene	ND		ug/kg	600	190	20
Bromoform	ND		ug/kg	4800	300	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	600	200	20
Benzene	ND		ug/kg	600	200	20
Toluene	ND		ug/kg	1200	660	20
Ethylbenzene	ND		ug/kg	1200	170	20
Chloromethane	ND		ug/kg	4800	1100	20
Bromomethane	ND		ug/kg	2400	700	20
Vinyl chloride	ND		ug/kg	1200	410	20
Chloroethane	ND		ug/kg	2400	550	20
1,1-Dichloroethene	ND		ug/kg	1200	290	20
trans-1,2-Dichloroethene	ND		ug/kg	1800	170	20
Trichloroethene	ND		ug/kg	600	170	20
1,2-Dichlorobenzene	ND		ug/kg	2400	170	20

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-05 D
Client ID: SB-05 (10'-14')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
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/kg	2400	180	20
1,4-Dichlorobenzene	ND		ug/kg	2400	210	20
Methyl tert butyl ether	ND		ug/kg	2400	240	20
p/m-Xylene	ND		ug/kg	2400	680	20
o-Xylene	ND		ug/kg	1200	350	20
cis-1,2-Dichloroethene	ND		ug/kg	1200	210	20
Styrene	ND		ug/kg	1200	240	20
Dichlorodifluoromethane	ND		ug/kg	12000	1100	20
Acetone	ND		ug/kg	12000	5800	20
Carbon disulfide	ND		ug/kg	12000	5500	20
2-Butanone	ND		ug/kg	12000	2700	20
4-Methyl-2-pentanone	ND		ug/kg	12000	1600	20
2-Hexanone	ND		ug/kg	12000	1400	20
1,2-Dibromoethane	ND		ug/kg	1200	340	20
n-Butylbenzene	8000		ug/kg	1200	200	20
sec-Butylbenzene	5800		ug/kg	1200	180	20
tert-Butylbenzene	310	J	ug/kg	2400	140	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	3600	1200	20
Isopropylbenzene	1300		ug/kg	1200	130	20
p-Isopropyltoluene	ND		ug/kg	1200	130	20
Naphthalene	2000	J	ug/kg	4800	790	20
n-Propylbenzene	5300		ug/kg	1200	210	20
1,2,4-Trichlorobenzene	ND		ug/kg	2400	330	20
1,3,5-Trimethylbenzene	ND		ug/kg	2400	230	20
1,2,4-Trimethylbenzene	650	J	ug/kg	2400	400	20
Methyl Acetate	ND		ug/kg	4800	1200	20
Cyclohexane	ND		ug/kg	12000	660	20
Freon-113	ND		ug/kg	4800	840	20
Methyl cyclohexane	ND		ug/kg	4800	730	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	**150**	Q	70-130
Dibromofluoromethane	113		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-06 D
Client ID: SB-07 (0'-2')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:40
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 03:32
Analyst: JIC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3100	1400	10
1,1-Dichloroethane	ND		ug/kg	630	91.	10
Chloroform	ND		ug/kg	940	88.	10
Carbon tetrachloride	ND		ug/kg	630	140	10
1,2-Dichloropropane	ND		ug/kg	630	78.	10
Dibromochloromethane	ND		ug/kg	630	88.	10
1,1,2-Trichloroethane	ND		ug/kg	630	170	10
Tetrachloroethene	ND		ug/kg	310	120	10
Chlorobenzene	ND		ug/kg	310	80.	10
Trichlorofluoromethane	ND		ug/kg	2500	440	10
1,2-Dichloroethane	ND		ug/kg	630	160	10
1,1,1-Trichloroethane	ND		ug/kg	310	100	10
Bromodichloromethane	ND		ug/kg	310	68.	10
trans-1,3-Dichloropropene	ND		ug/kg	630	170	10
cis-1,3-Dichloropropene	ND		ug/kg	310	99.	10
Bromoform	ND		ug/kg	2500	150	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	310	100	10
Benzene	ND		ug/kg	310	100	10
Toluene	ND		ug/kg	630	340	10
Ethylbenzene	190	J	ug/kg	630	88.	10
Chloromethane	ND		ug/kg	2500	580	10
Bromomethane	ND		ug/kg	1200	360	10
Vinyl chloride	ND		ug/kg	630	210	10
Chloroethane	ND		ug/kg	1200	280	10
1,1-Dichloroethene	ND		ug/kg	630	150	10
trans-1,2-Dichloroethene	ND		ug/kg	940	86.	10
Trichloroethene	ND		ug/kg	310	86.	10
1,2-Dichlorobenzene	ND		ug/kg	1200	90.	10

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-06 D
Client ID: SB-07 (0'-2')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:40
Date Received: 03/25/24
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/kg	1200	93.	10
1,4-Dichlorobenzene	ND		ug/kg	1200	110	10
Methyl tert butyl ether	ND		ug/kg	1200	130	10
p/m-Xylene	1300		ug/kg	1200	350	10
o-Xylene	970		ug/kg	630	180	10
cis-1,2-Dichloroethene	ND		ug/kg	630	110	10
Styrene	ND		ug/kg	630	120	10
Dichlorodifluoromethane	ND		ug/kg	6300	570	10
Acetone	ND		ug/kg	6300	3000	10
Carbon disulfide	ND		ug/kg	6300	2800	10
2-Butanone	ND		ug/kg	6300	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6300	800	10
2-Hexanone	ND		ug/kg	6300	740	10
1,2-Dibromoethane	ND		ug/kg	630	180	10
n-Butylbenzene	7400		ug/kg	630	100	10
sec-Butylbenzene	5000		ug/kg	630	92.	10
tert-Butylbenzene	330	J	ug/kg	1200	74.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1900	630	10
Isopropylbenzene	680		ug/kg	630	68.	10
p-Isopropyltoluene	8100		ug/kg	630	68.	10
Naphthalene	6800		ug/kg	2500	410	10
n-Propylbenzene	2500		ug/kg	630	110	10
1,2,4-Trichlorobenzene	ND		ug/kg	1200	170	10
1,3,5-Trimethylbenzene	23000		ug/kg	1200	120	10
1,2,4-Trimethylbenzene	97000		ug/kg	1200	210	10
Methyl Acetate	ND		ug/kg	2500	600	10
Cyclohexane	ND		ug/kg	6300	340	10
Freon-113	ND		ug/kg	2500	430	10
Methyl cyclohexane	ND		ug/kg	2500	380	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	**170**	Q	70-130
Dibromofluoromethane	113		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-07
Client ID: SB-07 (5'-7')
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:40
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/29/24 03:55
Analyst: JIC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	50	7.3	1
Chloroform	ND		ug/kg	75	7.0	1
Carbon tetrachloride	ND		ug/kg	50	12.	1
1,2-Dichloropropane	ND		ug/kg	50	6.3	1
Dibromochloromethane	ND		ug/kg	50	7.0	1
1,1,2-Trichloroethane	ND		ug/kg	50	13.	1
Tetrachloroethene	ND		ug/kg	25	9.8	1
Chlorobenzene	ND		ug/kg	25	6.4	1
Trichlorofluoromethane	ND		ug/kg	200	35.	1
1,2-Dichloroethane	ND		ug/kg	50	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.4	1
Bromodichloromethane	ND		ug/kg	25	5.5	1
trans-1,3-Dichloropropene	ND		ug/kg	50	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3	1
Benzene	ND		ug/kg	25	8.3	1
Toluene	ND		ug/kg	50	27.	1
Ethylbenzene	20	J	ug/kg	50	7.1	1
Chloromethane	ND		ug/kg	200	47.	1
Bromomethane	ND		ug/kg	100	29.	1
Vinyl chloride	ND		ug/kg	50	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	50	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	75	6.9	1
Trichloroethene	ND		ug/kg	25	6.9	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.2	1

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-07 Date Collected: 03/22/24 11:40

Client ID: SB-07 (5'-7') Date Received: 03/25/24

Sample Location: 4245 CLARK STREET, HAMBURG 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/kg	100	7.4	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.6	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	120		ug/kg	100	28.	1
o-Xylene	71		ug/kg	50	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8	1
Styrene	ND		ug/kg	50	9.8	1
Dichlorodifluoromethane	ND		ug/kg	500	46.	1
Acetone	ND		ug/kg	500	240	1
Carbon disulfide	ND		ug/kg	500	230	1
2-Butanone	ND		ug/kg	500	110	1
4-Methyl-2-pentanone	ND		ug/kg	500	64.	1
2-Hexanone	ND		ug/kg	500	59.	1
1,2-Dibromoethane	ND		ug/kg	50	14.	1
n-Butylbenzene	590		ug/kg	50	8.4	1
sec-Butylbenzene	430		ug/kg	50	7.3	1
tert-Butylbenzene	23	J	ug/kg	100	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.	1
Isopropylbenzene	60		ug/kg	50	5.5	1
p-Isopropyltoluene	610		ug/kg	50	5.5	1
Naphthalene	390		ug/kg	200	32.	1
n-Propylbenzene	210		ug/kg	50	8.6	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	1600		ug/kg	100	9.7	1
1,2,4-Trimethylbenzene	6700		ug/kg	100	17.	1
Methyl Acetate	ND		ug/kg	200	48.	1
Cyclohexane	ND		ug/kg	500	27.	1
Freon-113	ND		ug/kg	200	35.	1
Methyl cyclohexane	ND		ug/kg	200	30.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	**185**	Q	70-130
Dibromofluoromethane	118		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1902594-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1902594-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1902594-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1902595-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416145

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1902595-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 20:58
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-07 Batch: WG1902595-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1902594-3 WG1902594-4								
Methylene chloride	79		79		70-130	0		30
1,1-Dichloroethane	96		96		70-130	0		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	112		102		70-130	9		30
1,2-Dichloropropane	98		101		70-130	3		30
Dibromochloromethane	104		110		70-130	6		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	96		99		70-130	3		30
Chlorobenzene	85		88		70-130	3		30
Trichlorofluoromethane	71		71		70-139	0		30
1,2-Dichloroethane	100		103		70-130	3		30
1,1,1-Trichloroethane	100		101		70-130	1		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	97		103		70-130	6		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
Bromoform	94		103		70-130	9		30
1,1,2,2-Tetrachloroethane	83		94		70-130	12		30
Benzene	92		93		70-130	1		30
Toluene	85		89		70-130	5		30
Ethylbenzene	85		88		70-130	3		30
Chloromethane	104		104		52-130	0		30
Bromomethane	**56**	Q	**56**	Q	57-147	0		30
Vinyl chloride	77		77		67-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1902594-3 WG1902594-4								
Chloroethane	62		63		50-151	2		30
1,1-Dichloroethene	66		65		65-135	2		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	82		88		70-130	7		30
1,3-Dichlorobenzene	80		85		70-130	6		30
1,4-Dichlorobenzene	79		85		70-130	7		30
Methyl tert butyl ether	95		100		66-130	5		30
p/m-Xylene	82		85		70-130	4		30
o-Xylene	82		85		70-130	4		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Styrene	84		87		70-130	4		30
Dichlorodifluoromethane	91		89		30-146	2		30
Acetone	82		83		54-140	1		30
Carbon disulfide	62		62		59-130	0		30
2-Butanone	84		84		70-130	0		30
4-Methyl-2-pentanone	83		90		70-130	8		30
2-Hexanone	85		92		70-130	8		30
1,2-Dibromoethane	97		102		70-130	5		30
n-Butylbenzene	80		85		70-130	6		30
sec-Butylbenzene	80		86		70-130	7		30
tert-Butylbenzene	80		85		70-130	6		30
1,2-Dibromo-3-chloropropane	75		86		68-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1902594-3 WG1902594-4								
Isopropylbenzene	81		86		70-130	6		30
p-Isopropyltoluene	80		84		70-130	5		30
Naphthalene	82		89		70-130	8		30
n-Propylbenzene	80		86		70-130	7		30
1,2,4-Trichlorobenzene	85		90		70-130	6		30
1,3,5-Trimethylbenzene	80		85		70-130	6		30
1,2,4-Trimethylbenzene	81		86		70-130	6		30
Methyl Acetate	95		97		51-146	2		30
Cyclohexane	91		92		59-142	1		30
Freon-113	66		66		50-139	0		30
Methyl cyclohexane	82		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1902595-3 WG1902595-4								
Methylene chloride	79		79		70-130	0		30
1,1-Dichloroethane	96		96		70-130	0		30
Chloroform	93		94		70-130	1		30
Carbon tetrachloride	112		102		70-130	9		30
1,2-Dichloropropane	98		101		70-130	3		30
Dibromochloromethane	104		110		70-130	6		30
1,1,2-Trichloroethane	95		102		70-130	7		30
Tetrachloroethene	96		99		70-130	3		30
Chlorobenzene	85		88		70-130	3		30
Trichlorofluoromethane	71		71		70-139	0		30
1,2-Dichloroethane	100		103		70-130	3		30
1,1,1-Trichloroethane	100		101		70-130	1		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	97		103		70-130	6		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
Bromoform	94		103		70-130	9		30
1,1,2,2-Tetrachloroethane	83		94		70-130	12		30
Benzene	92		93		70-130	1		30
Toluene	85		89		70-130	5		30
Ethylbenzene	85		88		70-130	3		30
Chloromethane	104		104		52-130	0		30
Bromomethane	**56**	Q	**56**	Q	57-147	0		30
Vinyl chloride	77		77		67-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1902595-3 WG1902595-4								
Chloroethane	62		63		50-151	2		30
1,1-Dichloroethene	66		65		65-135	2		30
trans-1,2-Dichloroethene	92		93		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	82		88		70-130	7		30
1,3-Dichlorobenzene	80		85		70-130	6		30
1,4-Dichlorobenzene	79		85		70-130	7		30
Methyl tert butyl ether	95		100		66-130	5		30
p/m-Xylene	82		85		70-130	4		30
o-Xylene	82		85		70-130	4		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Styrene	84		87		70-130	4		30
Dichlorodifluoromethane	91		89		30-146	2		30
Acetone	82		83		54-140	1		30
Carbon disulfide	62		62		59-130	0		30
2-Butanone	84		84		70-130	0		30
4-Methyl-2-pentanone	83		90		70-130	8		30
2-Hexanone	85		92		70-130	8		30
1,2-Dibromoethane	97		102		70-130	5		30
n-Butylbenzene	80		85		70-130	6		30
sec-Butylbenzene	80		86		70-130	7		30
tert-Butylbenzene	80		85		70-130	6		30
1,2-Dibromo-3-chloropropane	75		86		68-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-07 Batch: WG1902595-3 WG1902595-4								
Isopropylbenzene	81		86		70-130	6		30
p-Isopropyltoluene	80		84		70-130	5		30
Naphthalene	82		89		70-130	8		30
n-Propylbenzene	80		86		70-130	7		30
1,2,4-Trichlorobenzene	85		90		70-130	6		30
1,3,5-Trimethylbenzene	80		85		70-130	6		30
1,2,4-Trimethylbenzene	81		86		70-130	6		30
Methyl Acetate	95		97		51-146	2		30
Cyclohexane	91		92		59-142	1		30
Freon-113	66		66		50-139	0		30
Methyl cyclohexane	82		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		110		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	101		103		70-130
Dibromofluoromethane	105		105		70-130

METALS

Project Name: WATERFIELD PHASE 2 ESA
Lab Number: L2416145
Project Number: EA2305
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-01
Client ID: SB-01/MW-01 (5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG
Date Collected: 03/22/24 10:00
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	40.0		mg/kg	0.973	0.093	2	03/27/24 18:02	03/29/24 19:54	EPA 3050B	1,6010D	JMF

Project Name: WATERFIELD PHASE 2 ESA
Lab Number: L2416145
Project Number: EA2305
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-02
Client ID: SB-02 (0'-5')
Sample Location: 4245 CLARK STREET, HAMBURG
Date Collected: 03/22/24 09:30
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Chromium, Total	13.7		mg/kg	0.855	0.082	2	03/27/24 18:02	03/29/24 20:00	EPA 3050B	1,6010D	JMF

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1901526-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/27/24 18:02	03/29/24 09:31	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1901526-2								
Chromium, Total	106		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416145
Report Date: 04/01/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1901526-3 QC Sample: L2416510-01 Client ID: MS Sample												
Chromium, Total	11.3	17.1	28.5	100		-	-		75-125	-		20

INORGANICS
&
MISCELLANEOUS

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-01
Client ID: SB-01/MW-01 (5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil
Date Collected: 03/22/24 10:00
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI
Chromium, Hexavalent	6.46		mg/kg	1.00	0.200	1	03/29/24 10:14	03/30/24 14:04	1,7196A	LOF

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-02
Client ID: SB-02 (0'-5')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil
Date Collected: 03/22/24 09:30
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI
Chromium, Hexavalent	ND		mg/kg	0.908	0.182	1	03/29/24 10:14	03/30/24 14:04	1,7196A	LOF

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-03
Client ID: SB-04/MW-02 (5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 03/22/24 10:40
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-04
Client ID: SB-05/MW-03 (6.5'-7.5')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-05
Client ID: SB-05 (10'-14')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 03/22/24 11:10
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-06
Client ID: SB-07 (0'-2')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 03/22/24 11:40
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

SAMPLE RESULTS

Lab ID: L2416145-07
Client ID: SB-07 (5'-7')
Sample Location: 4245 CLARK STREET, HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 03/22/24 11:40
Date Received: 03/25/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	03/26/24 12:28	121,2540G	ROI

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416145
Report Date: 04/01/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1902427-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	03/29/24 10:14	03/30/24 14:04	1,7196A	LOF

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1902427-2								
Chromium, Hexavalent	**75**	Q	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416145
Report Date: 04/01/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 (5'-7.5') QC Batch ID: WG1902427-4 QC Sample: L2416145-01 Client ID: SB-01/MW-01												
Chromium, Hexavalent	6.46	1400	1360	96		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416145

Report Date: 04/01/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1900909-1 QC Sample: L2416234-21 Client ID: DUP Sample						
Solids, Total	77.6	78.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1902427-6 QC Sample: L2416145-01 Client ID: SB-01/MW-01 (5'-7.5')						
Chromium, Hexavalent	6.46	6.98	mg/kg	8		20

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416145
Report Date: 04/01/24

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(*)
L2416145-01A	Plastic 60ml unpreserved	A	NA		3.5	Y	Absent		CR-TI(180)
L2416145-01B	Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		TS(7),HEXCR-7196(30)
L2416145-02A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		CR-TI(180)
L2416145-02C	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14),HEXCR-7196(30)
L2416145-02X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-02Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-02Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-03A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-03X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-03Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-03Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-04A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-04X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-04Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-04Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-05A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-05X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-05Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-05Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416145
Report Date: 04/01/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2416145-06A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-06X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-06Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-06Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-07A	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L2416145-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-07X	Vial MeOH preserved split	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416145-07Y	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)
L2416145-07Z	Vial Water preserved split	A	NA		3.5	Y	Absent	**28-MAR-24 06:48**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. 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:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416145
Project Number:	EA2305	**Report Date:**	04/01/24

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 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 TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

ALPHA ANALYTICAL

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8 Walkup Dr.
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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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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: 3/26/24

ALPHA Job #: L2416145

Client Information
Client: Env. Advantage, Inc.
Address: 3030 N. Buffalo Rd
Orchard Park, NY 14127
Phone: (716) 667-3130
Fax:
Email: mhanna@envadvantage.com

Project Information
Project Name: Waterfield Phase 2 ESA
Project Location: 4245 Clark Street Hamburg
Project #: EA 2305
(Use Project name as Project #) [X]
Project Manager: Mark Hanna
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:
email labresults@envadvantage.com

Please specify Metals or TAL.

Deliverables
[X] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [X] NY Part 375
[ ] AWQ Standards [X] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[X] Same as Client Info
PO # EA2305

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TS	Total Cr	Hex Cr	VOCs TCL+STARS					Sample Specific Comments	Total Bottle
16145-01	SB-01/MW-01 (5'-7.5')	3/22/24	10:50	SO	CZ/CS	X	X	X							2
-02	SB-02 (0'-5')	3/22/24	9:30	SO	CZ/CS	X	X	X	X						3
-03	SB-04/MW-02 (5'-7.5')	3/22/24	10:40	SO	CZ/CS	X			X						2
-04	SB-05/MW-03 (6.5'-7.5')	3/22/24	11:10	SO	CZ/CS	X			X						2
-05	SB-05 (10'-14')	3/22/24	11:10	SO	CZ/CS	X			X						2
-06	SB-07 (0'-2')	3/22/24	11:40	SO	CZ/CS	X			X						2
-07	SB-07 (5'-7')	3/22/24	11:40	SO	CZ/CS	X			X						2

Container Type: P A A A
Preservative: A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
Colli Snyder	3/25/24 12:55		3/25/24 1255
	3/25/24 1415		3/26/24 0040

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.)

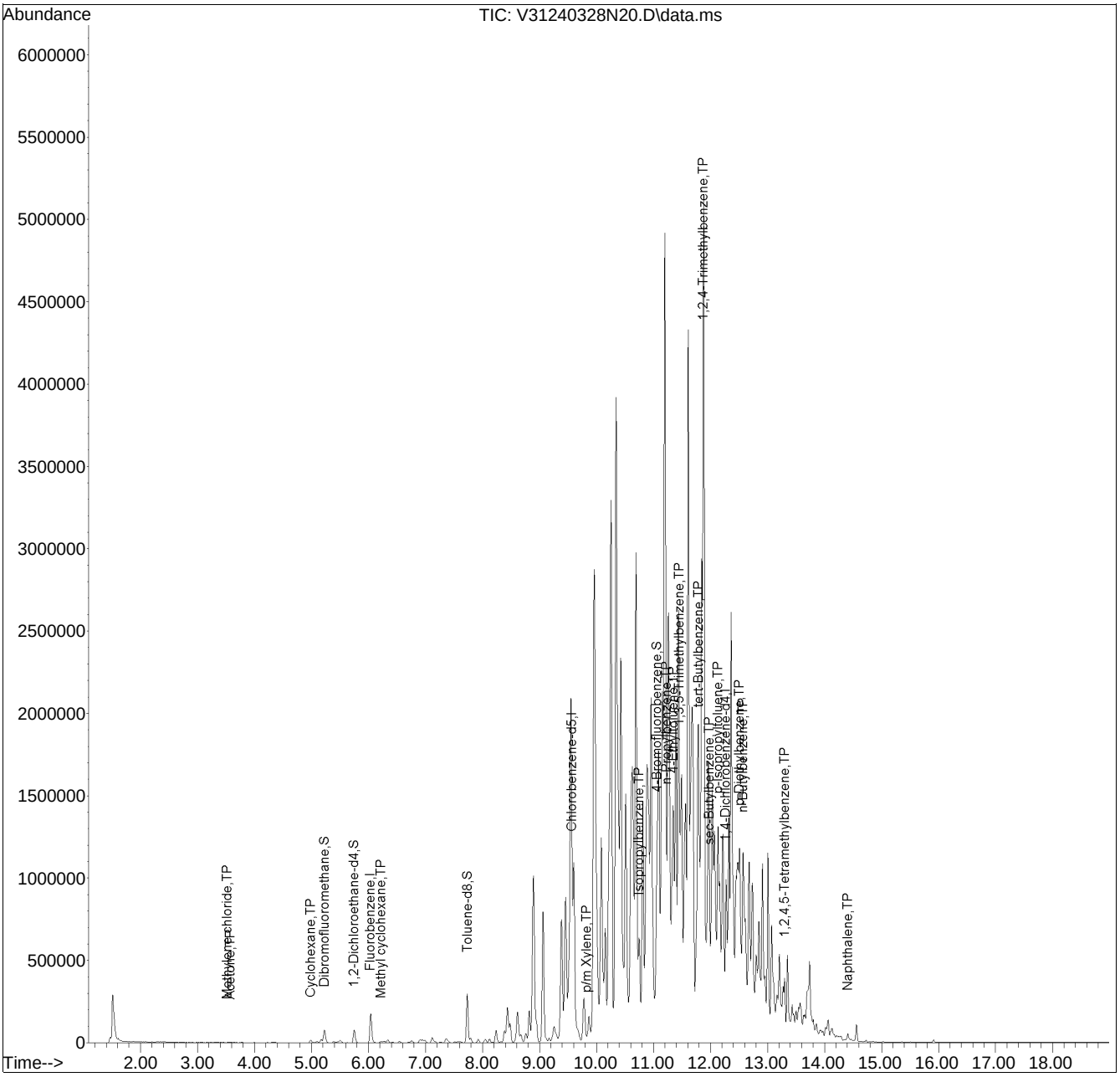
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2024\240328N\
Data File : V31240328N20.D
Acq On : 29 Mar 2024 02:46 am
Operator : VOA131:JIC
Sample : l2416145-04d,31h,5.58,5,0.01,,x
Misc : WG1902595,ICAL20859
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 29 12:55:36 2024
Quant Method : K:\VOA131\2024\240328N\V131_240214N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 15 14:32:02 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox28N02.D•



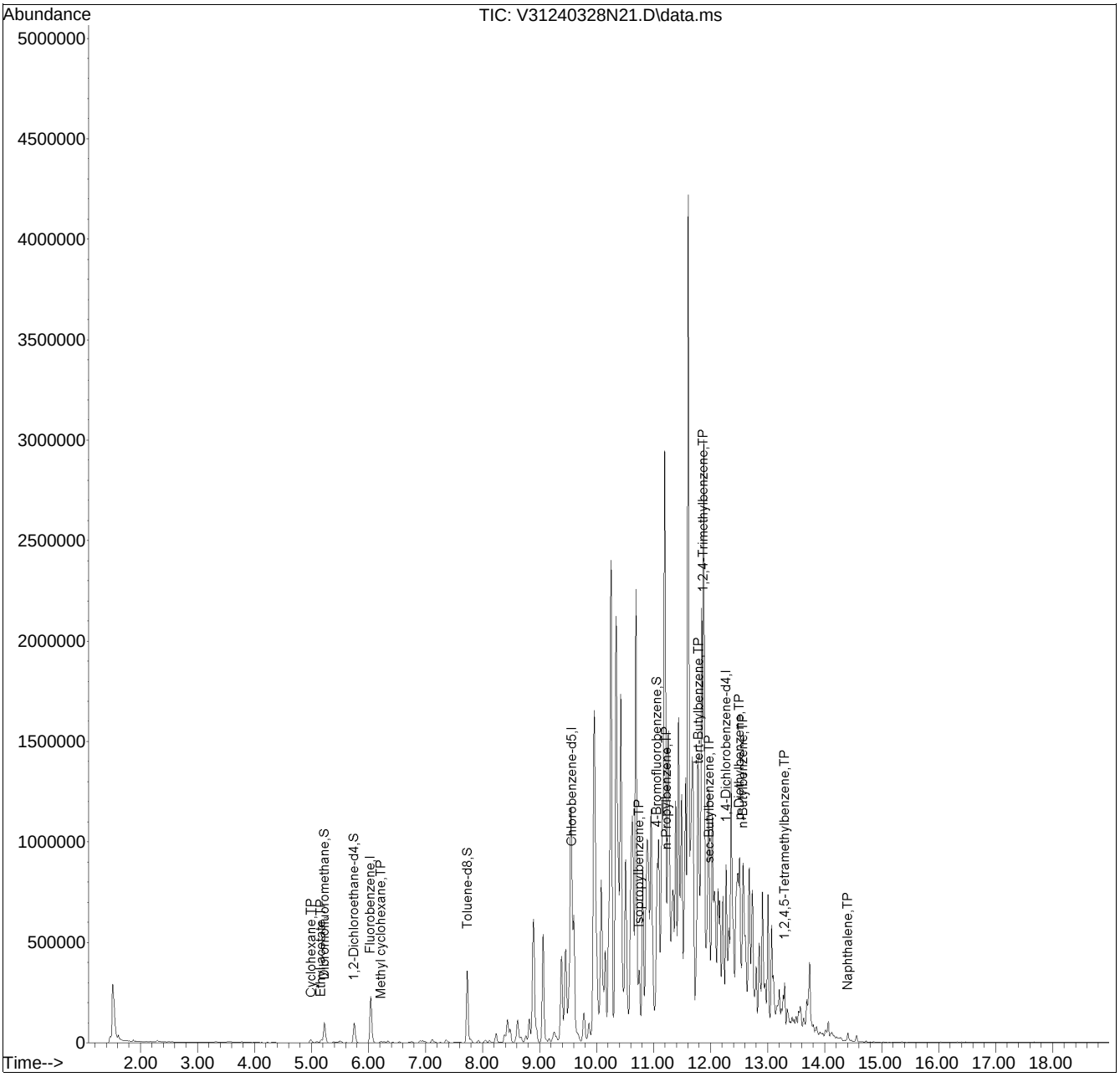
V131_240214N_8260.m Fri Mar 29 13:51:27 2024 Page: 4

Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2024\240328N\
Data File : V31240328N21.D
Acq On : 29 Mar 2024 03:09 am
Operator : VOA131:JIC
Sample : l2416145-05d,31h,6.46,5,0.005,,x
Misc : WG1902595,ICAL20859
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 29 12:57:22 2024
Quant Method : K:\VOA131\2024\240328N\V131_240214N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 15 14:32:02 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox28N02.D•

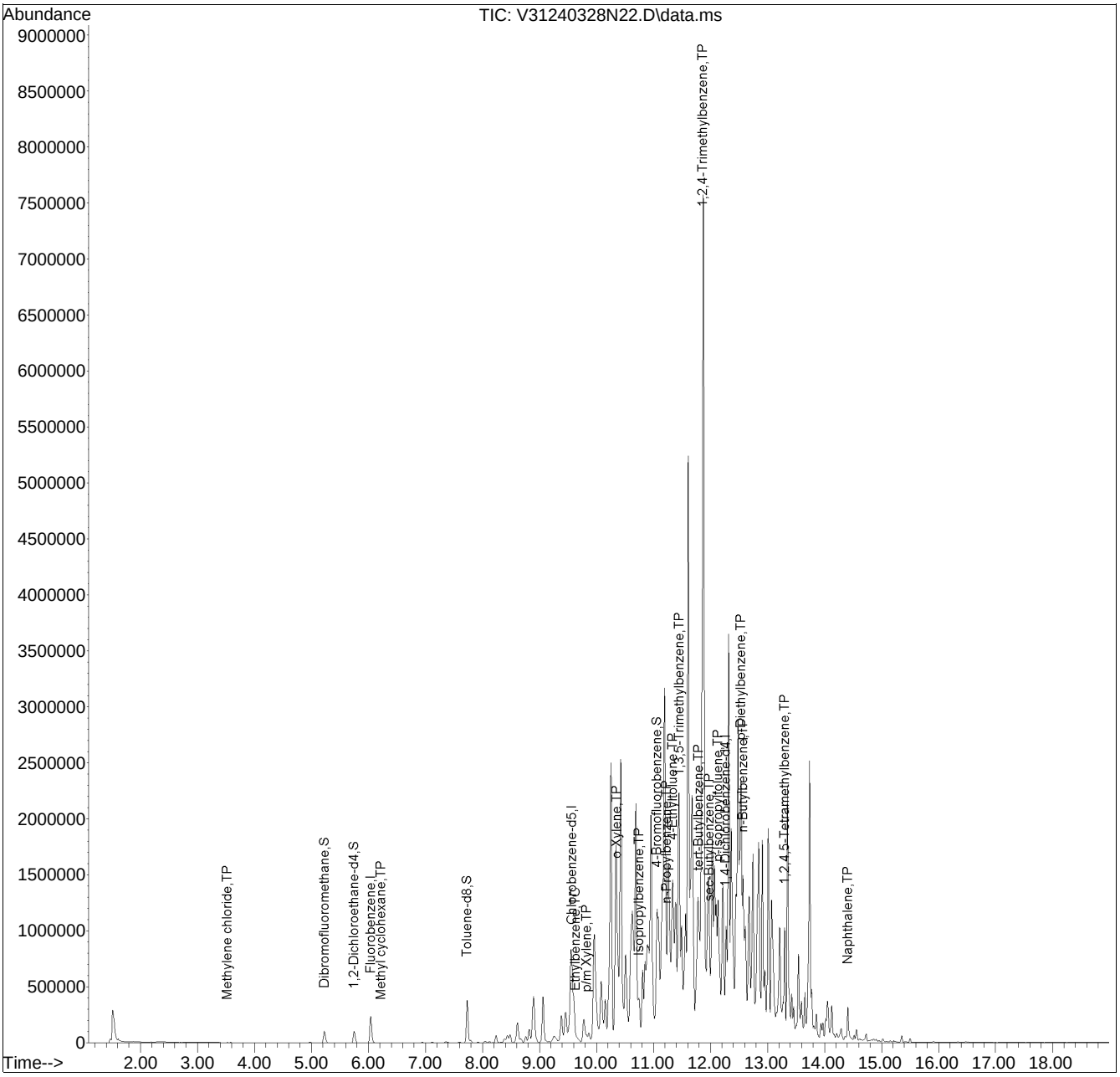


Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2024\240328N\
Data File : V31240328N22.D
Acq On : 29 Mar 2024 03:32 am
Operator : VOA131:JIC
Sample : l2416145-06d,31h,5.55,5,0.01,,x
Misc : WG1902595,ICAL20859
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 29 12:58:57 2024
Quant Method : K:\VOA131\2024\240328N\V131_240214N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 15 14:32:02 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox28N02.D•

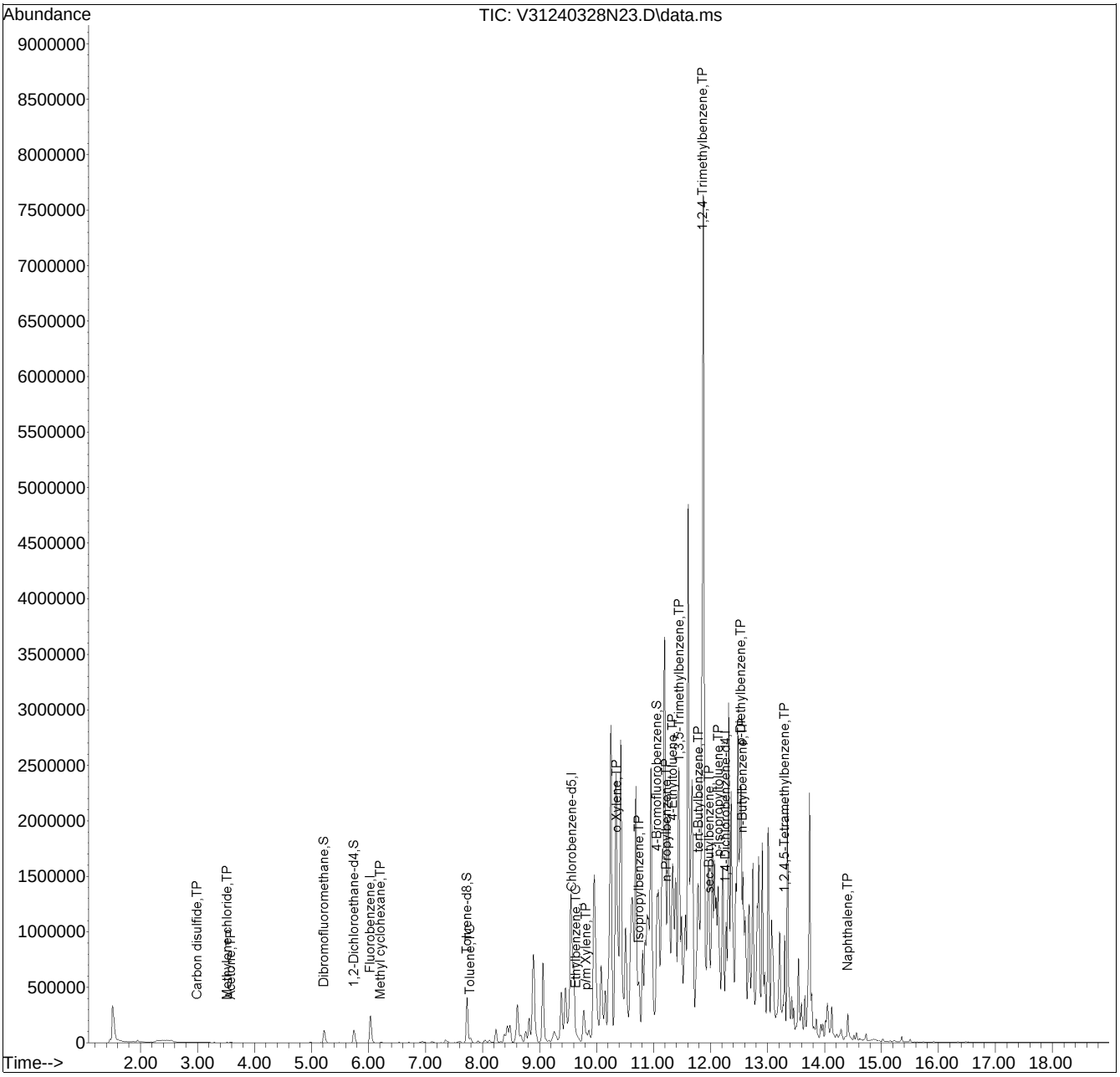


Quantitation Report (QT Reviewed)

Data Path : K:\VOA131\2024\240328N\
Data File : V31240328N23.D
Acq On : 29 Mar 2024 03:55 am
Operator : VOA131:JIC
Sample : l2416145-07,31h,7.27,5,0.100,,x
Misc : WG1902595,ICAL20859
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 29 13:00:37 2024
Quant Method : K:\VOA131\2024\240328N\V131_240214N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Feb 15 14:32:02 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox28N02.D•



ANALYTICAL REPORT

Lab Number:	L2416144
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD PHASE 2 ESA
Project Number:	EA2305
Report Date:	04/01/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416144
Report Date: 04/01/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2416144-01	SB-01/MW-01	WATER	4245 CLARK STREET, HAMBURG	03/22/24 10:10	03/25/24
L2416144-02	SB-04/MW-02	WATER	4245 CLARK STREET, HAMBURG	03/22/24 11:25	03/25/24
L2416144-03	SB-05/MW-03	WATER	4245 CLARK STREET, HAMBURG	03/22/24 12:30	03/25/24

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
Project Number:	EA2305	**Report Date:**	04/01/24

Case Narrative

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

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

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

Soil/sediments, 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:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
Project Number:	EA2305	**Report Date:**	04/01/24

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

L2416144-03D: The sample has elevated detection limits due to the dilution required by the sample matrix (sheen).

L2416144-03D: The pH was greater than two; however, the sample was analyzed within the method required holding time.

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 Melissa Sturgis

Title: Technical Director/Representative Date: 04/01/24

ORGANICS

VOLATILES

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-01
Client ID: SB-01/MW-01
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 10:10
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/28/24 16:02
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: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-01 Date Collected: 03/22/24 10:10

Client ID: SB-01/MW-01 Date Received: 03/25/24

Sample Location: 4245 CLARK STREET, HAMBURG 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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	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	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-02
Client ID: SB-04/MW-02
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 11:25
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/28/24 16:26
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	11		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	0.99		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-02 Date Collected: 03/22/24 11:25

Client ID: SB-04/MW-02 Date Received: 03/25/24

Sample Location: 4245 CLARK STREET, HAMBURG 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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	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	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-03 D
Client ID: SB-05/MW-03
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 12:30
Date Received: 03/25/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/28/24 16:51
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	1.5		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	3.9	J	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	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
Trichloroethene	ND		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

SAMPLE RESULTS

Lab ID: L2416144-03 D
Client ID: SB-05/MW-03
Sample Location: 4245 CLARK STREET, HAMBURG

Date Collected: 03/22/24 12:30
Date Received: 03/25/24
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	3.0	J	ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		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	6.8	J	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
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
n-Butylbenzene	26		ug/l	5.0	1.4	2
sec-Butylbenzene	26		ug/l	5.0	1.4	2
tert-Butylbenzene	2.1	J	ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Isopropylbenzene	18		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	55		ug/l	5.0	1.4	2
n-Propylbenzene	53		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	13		ug/l	5.0	1.4	2
Methyl Acetate	ND		ug/l	4.0	0.47	2
Cyclohexane	5.9	J	ug/l	20	0.54	2
Freon-113	ND		ug/l	5.0	1.4	2
Methyl cyclohexane	3.9	J	ug/l	20	0.79	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	100		70-130

Project Name: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 08:41
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1901952-5					
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: WATERFIELD PHASE 2 ESA **Lab Number:** L2416144

Project Number: EA2305 **Report Date:** 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 08:41
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1901952-5					
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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416144
Report Date: 04/01/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/28/24 08:41
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1901952-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416144

Report Date: 04/01/24

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 Batch: WG1901952-3 WG1901952-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	98		94		70-130	4		20
Carbon tetrachloride	97		98		63-132	1		20
1,2-Dichloropropane	100		98		70-130	2		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	94		95		70-130	1		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	99		95		75-130	4		20
Trichlorofluoromethane	87		98		62-150	12		20
1,2-Dichloroethane	96		96		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	95		97		67-130	2		20
trans-1,3-Dichloropropene	94		94		70-130	0		20
cis-1,3-Dichloropropene	97		97		70-130	0		20
Bromoform	91		90		54-136	1		20
1,1,2,2-Tetrachloroethane	99		97		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	96		92		64-130	4		20
Bromomethane	87		87		39-139	0		20
Vinyl chloride	95		92		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA

Project Number: EA2305

Lab Number: L2416144

Report Date: 04/01/24

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 Batch: WG1901952-3 WG1901952-4								
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	100		93		61-145	7		20
trans-1,2-Dichloroethene	96		97		70-130	1		20
Trichloroethene	97		95		70-130	2		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		96		70-130	4		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	90		92		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	87		81		36-147	7		20
Acetone	87		90		58-148	3		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	82		90		63-138	9		20
4-Methyl-2-pentanone	84		88		59-130	5		20
2-Hexanone	78		85		57-130	9		20
1,2-Dibromoethane	92		96		70-130	4		20
n-Butylbenzene	100		98		53-136	2		20
sec-Butylbenzene	100		97		70-130	3		20
tert-Butylbenzene	100		95		70-130	5		20
1,2-Dibromo-3-chloropropane	84		84		41-144	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305
Lab Number: L2416144
Report Date: 04/01/24

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 Batch: WG1901952-3 WG1901952-4								
Isopropylbenzene	100		95		70-130	5		20
p-Isopropyltoluene	100		96		70-130	4		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	100		97		69-130	3		20
1,2,4-Trichlorobenzene	98		96		70-130	2		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	100		96		70-130	4		20
Methyl Acetate	88		93		70-130	6		20
Cyclohexane	96		95		70-130	1		20
Freon-113	96		96		70-130	0		20
Methyl cyclohexane	98		97		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		97		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		94		70-130
Dibromofluoromethane	102		99		70-130

Project Name: WATERFIELD PHASE 2 ESA
Project Number: EA2305

Lab Number: L2416144
Report Date: 04/01/24

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(*)
L2416144-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)
L2416144-03C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
Project Number:	EA2305	**Report Date:**	04/01/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
Project Number:	EA2305	**Report Date:**	04/01/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. 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:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
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Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name:	WATERFIELD PHASE 2 ESA	**Lab Number:**	L2416144
Project Number:	EA2305	**Report Date:**	04/01/24

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 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 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 TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

ALPHA ANALYTICAL

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: 3/26/24

ALPHA Job #: L2416144

Client Information

Client: Env. Advantage, LLC
Address: 3136 N. Buffalo Rd
Orchard Park, NY 14127
Phone: 716-667-3130
Fax:
Email: MHanna@envadvantage.com

Project Information

Project Name: Waterfield Phase 2 ESA
Project Location: 4245 Clark Street Hamburg
Project #: EA 2305
(Use Project name as Project #): ☒
Project Manager: Mark Hanna
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☒ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #: EA2305

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

email labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS: VOCs TCL+STARS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs TCL+STARS	Sample Specific Comments	Total # Bottles
L2416144-01	SB-01/MW-01	3/22/24	10:10	GW	CZ	X		3
-02	SB-04/MW-02	3/22/24	11:25	GW	CZ	X		3
-03	SB-05/MW-03	3/22/24	12:30	GW	CZ	X		3

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
Colin Smyth	3/25/24 12:55		3/25/24 1255
	3/25/24 1415		3/26/24 0040

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2422054
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD P2
Project Number:	EA2305
Report Date:	05/08/24

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

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2422054-01	SV-01	SOIL_VAPOR	4245 CLARK ST.	04/22/24 17:04	04/23/24
L2422054-02	SV-02	SOIL_VAPOR	4245 CLARK ST.	04/22/24 17:15	04/23/24
L2422054-03	SV-03	SOIL_VAPOR	4245 CLARK ST.	04/22/24 17:25	04/23/24
L2422054-04	SV-04	SOIL_VAPOR	4245 CLARK ST.	04/22/24 17:40	04/23/24
L2422054-05	SV-05	SOIL_VAPOR	4245 CLARK ST.	04/22/24 17:50	04/23/24

Project Name:	WATERFIELD P2	**Lab Number:**	L2422054
Project Number:	EA2305	**Report Date:**	05/08/24

Case Narrative

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

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

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

Soil/sediments, 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:	WATERFIELD P2	**Lab Number:**	L2422054
Project Number:	EA2305	**Report Date:**	05/08/24

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on April 17, 2024. The canister certification data is provided as an addendum.

L2422054-03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2422054-04D and -05D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/08/24

AIR

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-01
Client ID: SV-01
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:04
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/24 04:47
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.441	0.200	--	2.18	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	0.204	0.200	--	0.792	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	18.2	1.00	--	43.2	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	10.4	0.500	--	25.6	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	1.02	0.500	--	3.01	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-01
Client ID: SV-01
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:04
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	17.9	0.200	--	63.1	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	3.64	0.200	--	11.6	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	5.53	0.200	--	19.0	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	10.4	0.200	--	42.6	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	12.2	0.200	--	46.0	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	0.699	0.200	--	4.74	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	9.95	0.200	--	43.2	0.869	--		1

Project Name: WATERFIELD P2 ***Lab Number:*** L2422054

Project Number: EA2305 ***Report Date:*** 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-01
Client ID: SV-01
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:04
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	42.7	0.400	--	185	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	11.8	0.200	--	51.3	0.869	--		1
4-Ethyltoluene	0.299	0.200	--	1.47	0.983	--		1
1,3,5-Trimethylbenzene	0.221	0.200	--	1.09	0.983	--		1
1,2,4-Trimethylbenzene	0.783	0.200	--	3.85	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
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	96		60-140

Project Name: WATERFIELD P2 ***Lab Number:*** L2422054

Project Number: EA2305 ***Report Date:*** 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-02
Client ID: SV-02
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:15
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/06/24 20:54
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.474	0.200	--	2.34	0.989	--		1
Chloromethane	0.235	0.200	--	0.485	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	21.7	1.00	--	51.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	0.748	0.500	--	1.84	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

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-02
Client ID: SV-02
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:15
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.870	0.500	--	2.57	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.14	0.200	--	32.2	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	2.37	0.200	--	7.57	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	5.66	0.200	--	19.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.24	0.200	--	6.66	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	4.21	0.200	--	17.3	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	8.78	0.200	--	33.1	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.229	0.200	--	1.55	1.36	--		1
Chlorobenzene	0.349	0.200	--	1.61	0.921	--		1
Ethylbenzene	7.76	0.200	--	33.7	0.869	--		1

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-02
Client ID: SV-02
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:15
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	32.8	0.400	--	142	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	8.37	0.200	--	36.4	0.869	--		1
4-Ethyltoluene	0.292	0.200	--	1.44	0.983	--		1
1,3,5-Trimethylbenzene	0.218	0.200	--	1.07	0.983	--		1
1,2,4-Trimethylbenzene	0.732	0.200	--	3.60	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
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-03 D
Client ID: SV-03
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:25
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/06/24 21:34
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.458	0.400	--	2.26	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	18.4	10.0	--	34.7	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	614	2.00	--	1460	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	6.74	1.00	--	16.6	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	3.38	1.00	--	10.2	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	3.60	1.00	--	10.6	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-03 D
Client ID: SV-03
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:25
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	28.2	0.400	--	99.4	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	6.30	0.400	--	20.1	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	10.6	0.400	--	36.5	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	0.678	0.400	--	2.44	1.44	--		2
Trichloroethene	2.53	0.400	--	13.6	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	19.9	0.400	--	81.6	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	1.22	1.00	--	5.00	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	16.6	0.400	--	62.6	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	11.8	0.400	--	80.0	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	9.00	0.400	--	39.1	1.74	--		2

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-03 D
Client ID: SV-03
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:25
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	37.8	0.800	--	164	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	9.02	0.400	--	39.2	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	0.842	0.400	--	4.14	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Naphthalene	ND	0.400	--	ND	2.10	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: WATERFIELD P2 ***Lab Number:*** L2422054

Project Number: EA2305 ***Report Date:*** 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-04 D
Client ID: SV-04
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:40
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/08/24 05:25
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	25.0	--	ND	124	--		125
Chloromethane	ND	25.0	--	ND	51.6	--		125
Freon-114	ND	25.0	--	ND	175	--		125
Vinyl chloride	ND	25.0	--	ND	63.9	--		125
1,3-Butadiene	ND	25.0	--	ND	55.3	--		125
Bromomethane	ND	25.0	--	ND	97.1	--		125
Chloroethane	ND	25.0	--	ND	66.0	--		125
Ethanol	ND	625	--	ND	1180	--		125
Vinyl bromide	ND	25.0	--	ND	109	--		125
Acetone	4420	125	--	10500	297	--		125
Trichlorofluoromethane	ND	25.0	--	ND	140	--		125
Isopropanol	ND	62.5	--	ND	154	--		125
1,1-Dichloroethene	ND	25.0	--	ND	99.1	--		125
Tertiary butyl Alcohol	ND	62.5	--	ND	189	--		125
Methylene chloride	ND	62.5	--	ND	217	--		125
3-Chloropropene	ND	25.0	--	ND	78.3	--		125
Carbon disulfide	ND	25.0	--	ND	77.9	--		125
Freon-113	ND	25.0	--	ND	192	--		125
trans-1,2-Dichloroethene	ND	25.0	--	ND	99.1	--		125
1,1-Dichloroethane	ND	25.0	--	ND	101	--		125
Methyl tert butyl ether	ND	25.0	--	ND	90.1	--		125
2-Butanone	ND	62.5	--	ND	184	--		125
cis-1,2-Dichloroethene	ND	25.0	--	ND	99.1	--		125

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-04 D
Client ID: SV-04
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:40
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	62.5	--	ND	225	--		125
Chloroform	ND	25.0	--	ND	122	--		125
Tetrahydrofuran	ND	62.5	--	ND	184	--		125
1,2-Dichloroethane	ND	25.0	--	ND	101	--		125
n-Hexane	188	25.0	--	663	88.1	--		125
1,1,1-Trichloroethane	ND	25.0	--	ND	136	--		125
Benzene	36.4	25.0	--	116	79.9	--		125
Carbon tetrachloride	ND	25.0	--	ND	157	--		125
Cyclohexane	86.4	25.0	--	297	86.1	--		125
1,2-Dichloropropane	ND	25.0	--	ND	116	--		125
Bromodichloromethane	ND	25.0	--	ND	167	--		125
1,4-Dioxane	ND	25.0	--	ND	90.1	--		125
Trichloroethene	46.4	25.0	--	249	134	--		125
2,2,4-Trimethylpentane	ND	25.0	--	ND	117	--		125
Heptane	237	25.0	--	971	102	--		125
cis-1,3-Dichloropropene	ND	25.0	--	ND	113	--		125
4-Methyl-2-pentanone	85.8	62.5	--	352	256	--		125
trans-1,3-Dichloropropene	ND	25.0	--	ND	113	--		125
1,1,2-Trichloroethane	ND	25.0	--	ND	136	--		125
Toluene	132	25.0	--	497	94.2	--		125
2-Hexanone	ND	25.0	--	ND	102	--		125
Dibromochloromethane	ND	25.0	--	ND	213	--		125
1,2-Dibromoethane	ND	25.0	--	ND	192	--		125
Tetrachloroethene	1060	25.0	--	7190	170	--		125
Chlorobenzene	ND	25.0	--	ND	115	--		125
Ethylbenzene	83.8	25.0	--	364	109	--		125

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-04 D
Client ID: SV-04
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:40
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	268	50.0	--	1160	217	--		125
Bromoform	ND	25.0	--	ND	258	--		125
Styrene	ND	25.0	--	ND	106	--		125
1,1,2,2-Tetrachloroethane	ND	25.0	--	ND	172	--		125
o-Xylene	133	25.0	--	578	109	--		125
4-Ethyltoluene	32.1	25.0	--	158	123	--		125
1,3,5-Trimethylbenzene	56.0	25.0	--	275	123	--		125
1,2,4-Trimethylbenzene	176	25.0	--	865	123	--		125
Benzyl chloride	ND	25.0	--	ND	129	--		125
1,3-Dichlorobenzene	ND	25.0	--	ND	150	--		125
1,4-Dichlorobenzene	ND	25.0	--	ND	150	--		125
1,2-Dichlorobenzene	ND	25.0	--	ND	150	--		125
1,2,4-Trichlorobenzene	ND	25.0	--	ND	186	--		125
Naphthalene	ND	25.0	--	ND	131	--		125
Hexachlorobutadiene	ND	25.0	--	ND	267	--		125

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	111		60-140

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-05 D
Client ID: SV-05
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:50
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/06/24 22:52
Analyst: BJB

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.512	0.500	--	2.53	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	8.32	0.500	--	18.4	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	ND	12.5	--	ND	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	96.9	2.50	--	230	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	1.94	1.25	--	4.77	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	2.27	1.25	--	6.88	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	21.1	0.500	--	65.7	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	16.1	1.25	--	47.5	3.69	--		2.5
cis-1,2-Dichloroethene	22.2	0.500	--	88.0	1.98	--		2.5

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-05 D
Client ID: SV-05
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:50
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	1.86	1.25	--	5.49	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	21.8	0.500	--	76.8	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	12.1	0.500	--	38.7	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	8.03	0.500	--	27.6	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	1.35	0.500	--	7.26	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	10.6	0.500	--	43.4	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	3.70	1.25	--	15.2	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	12.2	0.500	--	46.0	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	2.80	0.500	--	19.0	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	11.6	0.500	--	50.4	2.17	--		2.5

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

SAMPLE RESULTS

Lab ID: L2422054-05 D
Client ID: SV-05
Sample Location: 4245 CLARK ST.

Date Collected: 04/22/24 17:50
Date Received: 04/23/24
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	36.2	1.00	--	157	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	12.1	0.500	--	52.6	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Naphthalene	ND	0.500	--	ND	2.62	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	115		60-140

Project Name: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/24 18:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG1917644-4								
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: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/24 18:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG1917644-4								
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: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/06/24 18:51

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 02-03,05 Batch: WG1917644-4								
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
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/07/24 17:17

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1918159-4								
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: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/07/24 17:17

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1918159-4								
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: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/07/24 17:17

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01,04 Batch: WG1918159-4								
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
Naphthalene	ND	0.200	--	ND	1.05	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD P2
Project Number: EA2305
Lab Number: L2422054
Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG1917644-3								
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	99		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	105		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	91		-		70-130	-		
Acetone	95		-		40-160	-		
Trichlorofluoromethane	92		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	94		-		70-130	-		
Tertiary butyl Alcohol	93		-		70-130	-		
Methylene chloride	94		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	88		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	94		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	92		-		70-130	-		
cis-1,2-Dichloroethene	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD P2

Project Number: EA2305

Lab Number: L2422054

Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG1917644-3								
Ethyl Acetate	100		-		70-130	-		
Chloroform	94		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	97		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	102		-		70-130	-		
trans-1,3-Dichloropropene	102		-		70-130	-		
1,1,2-Trichloroethane	94		-		70-130	-		
Toluene	90		-		70-130	-		
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	101		-		70-130	-		
1,2-Dibromoethane	89		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 02-03,05 Batch: WG1917644-3								
Tetrachloroethene	86		-		70-130	-		
Chlorobenzene	90		-		70-130	-		
Ethylbenzene	91		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	99		-		70-130	-		
Styrene	91		-		70-130	-		
1,1,2,2-Tetrachloroethane	97		-		70-130	-		
o-Xylene	94		-		70-130	-		
4-Ethyltoluene	94		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	99		-		70-130	-		
1,3-Dichlorobenzene	91		-		70-130	-		
1,4-Dichlorobenzene	91		-		70-130	-		
1,2-Dichlorobenzene	89		-		70-130	-		
1,2,4-Trichlorobenzene	87		-		70-130	-		
Naphthalene	91		-		70-130	-		
Hexachlorobutadiene	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD P2

Project Number: EA2305

Lab Number: L2422054

Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1918159-3								
Dichlorodifluoromethane	90		-		70-130	-		
Chloromethane	88		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	96		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	96		-		70-130	-		
Ethanol	91		-		40-160	-		
Vinyl bromide	90		-		70-130	-		
Acetone	94		-		40-160	-		
Trichlorofluoromethane	93		-		70-130	-		
Isopropanol	84		-		40-160	-		
1,1-Dichloroethene	93		-		70-130	-		
Tertiary butyl Alcohol	92		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	96		-		70-130	-		
Carbon disulfide	87		-		70-130	-		
Freon-113	88		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	88		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	91		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD P2
Project Number: EA2305
Lab Number: L2422054
Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1918159-3								
Ethyl Acetate	98		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
n-Hexane	105		-		70-130	-		
1,1,1-Trichloroethane	93		-		70-130	-		
Benzene	94		-		70-130	-		
Carbon tetrachloride	96		-		70-130	-		
Cyclohexane	105		-		70-130	-		
1,2-Dichloropropane	92		-		70-130	-		
Bromodichloromethane	106		-		70-130	-		
1,4-Dioxane	106		-		70-130	-		
Trichloroethene	96		-		70-130	-		
2,2,4-Trimethylpentane	106		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	93		-		70-130	-		
Toluene	89		-		70-130	-		
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	100		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD P2

Project Number: EA2305

Lab Number: L2422054

Report Date: 05/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01,04 Batch: WG1918159-3								
Tetrachloroethene	86		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Ethylbenzene	90		-		70-130	-		
p/m-Xylene	92		-		70-130	-		
Bromoform	97		-		70-130	-		
Styrene	90		-		70-130	-		
1,1,2,2-Tetrachloroethane	98		-		70-130	-		
o-Xylene	93		-		70-130	-		
4-Ethyltoluene	92		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	95		-		70-130	-		
Benzyl chloride	97		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	89		-		70-130	-		
1,2-Dichlorobenzene	91		-		70-130	-		
1,2,4-Trichlorobenzene	89		-		70-130	-		
Naphthalene	92		-		70-130	-		
Hexachlorobutadiene	86		-		70-130	-		

Project Name: WATERFIELD P2 **Lab Number:** L2422054

Project Number: EA2305 **Report Date:** 05/08/24

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2422054-01	SV-01	01834	Flow 2	04/17/24	463151		-	-	-	Pass	4.5	4.7	4
L2422054-01	SV-01	520	2.7L Can	04/17/24	463151	L2420404-01	Pass	-29.4	-4.3	-	-	-	-
L2422054-02	SV-02	01452	Flow 4	04/17/24	463151		-	-	-	Pass	4.4	4.8	9
L2422054-02	SV-02	411	2.7L Can	04/17/24	463151	L2420404-01	Pass	-29.5	-5.3	-	-	-	-
L2422054-03	SV-03	0846	Flow 5	04/17/24	463151		-	-	-	Pass	4.6	4.6	0
L2422054-03	SV-03	3401	2.7L Can	04/17/24	463151	L2420404-01	Pass	-29.4	-5.1	-	-	-	-
L2422054-04	SV-04	02240	Flow 5	04/17/24	463151		-	-	-	Pass	4.5	4.7	4
L2422054-04	SV-04	507	2.7L Can	04/17/24	463151	L2420404-01	Pass	-29.5	-5.6	-	-	-	-
L2422054-05	SV-05	0017	Flow 4	04/17/24	463151		-	-	-	Pass	4.5	5.2	14
L2422054-05	SV-05	2076	2.7L Can	04/17/24	463151	L2420404-01	Pass	-29.5	-7.3	-	-	-	-

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

Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/15/24 16:45
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

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

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/15/24 16:45
Analyst: KJD

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acrolein	ND	0.050	--	ND	0.115	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

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

Lab Number: L2420404
Report Date: 05/08/24

Air Canister Certification Results

Lab ID: L2420404-01
Client ID: CAN 3244 SHELF 15
Sample Location:

Date Collected: 04/13/24 12:00
Date Received: 04/15/24
Field Prep: Not Specified

Sample Depth:

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	95		60-140

Project Name: WATERFIELD P2
Project Number: EA2305

Lab Number: L2422054
Report Date: 05/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2422054-01A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2422054-02A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2422054-03A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2422054-04A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)
L2422054-05A	Canister - 2.7L (Batch Certified)	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD P2	**Lab Number:**	L2422054
Project Number:	EA2305	**Report Date:**	05/08/24

GLOSSARY

Acronyms

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

Report Format: Data Usability Report

Project Name:	WATERFIELD P2	**Lab Number:**	L2422054
Project Number:	EA2305	**Report Date:**	05/08/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

Report Format: Data Usability Report

Project Name:	WATERFIELD P2	**Lab Number:**	L2422054
Project Number:	EA2305	**Report Date:**	05/08/24

Data Qualifiers

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

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

Date Rec'd in Lab: 4/24/24

ALPHA Job #: L2422054

Client Information

Client: Env Advantage, Inc
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3156
Email: mhanna@envadvantage.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Waterfield P2
Project Location: 4245 clark st.
Project #: EA2305
Project Manager: Mark Hanna + Mary Szustak
ALPHA Quote #:

Turn-Around Time

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

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #: EA2305

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH (Subtract Non-petroleum HCs) ☐	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
	SV-01	4/22/24	08:59	17:04	-29.60	-7.86	SV	CS	2.7	520	01834	X					
	SV-02	4/22/24	09:26	17:15	-28.43	-5.35	SV	CS	2.7	411	01452	X					
	SV-03	4/22/24	09:45	17:25	-29.88	-5.58	SV	CS	2.7	3401	0846	X					
	SV-04	4/22/24	10:05	17:40	-29.40	-6.06	SV	CS	2.7	5070	2240	X					
	SV-05	4/22/24	10:10	17:50	-29.60	-7.86	SV	CS	2.7	2076	0017	X					

*SAMPLE MATRIX CODES

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

Container Type: 2.7L Suma

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

Relinquished By:	Date/Time	Received By:	Date/Time:
	4/23/24 556		4/23/24 556
	4/23/24 1820		4/24/24 0100
	4/24/24 800	Mendoza ASL	4/24/24 0500
	4/24/24 0830		4/24/24 0830

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

ANALYTICAL REPORT

Lab Number:	L2430322
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD INDOOR PHASE 2
Project Number:	EA2305
Report Date:	06/19/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2430322
Report Date: 06/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430322-01	IB-01 3.5'-4.5'	SOIL	4245 CLARK ST. HAMBURG	05/30/24 15:00	05/31/24
L2430322-02	IB-02 6'-7'	SOIL	4245 CLARK ST. HAMBURG	05/30/24 14:45	05/31/24
L2430322-03	IB-03 7'-8'	SOIL	4245 CLARK ST. HAMBURG	05/30/24 14:15	05/31/24

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

Case Narrative

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

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

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

Soil/sediments, 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

Case Narrative (continued)

Report Revision

June 19, 2024: The Volatile Organics analyte list has been amended on L2430322-01, -02 and -03.

Report Submission

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

Volatile Organics

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.

L2430322-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (191%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2430322-02D and -03D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L2430322-02D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (190%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L2430322-03D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (213%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

The WG1931270-5 Method Blank, associated with L2430322-01, has a concentration above the reporting limit for chloroform and bromodichloromethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for these target analytes, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/19/24

ORGANICS

VOLATILES

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-01
Client ID: IB-01 3.5'-4.5'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 15:00
Date Received: 05/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 11:08
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.37	J	ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	0.74	J	ug/kg	1.0	0.57	1
Ethylbenzene	0.89	J	ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-01 Date Collected: 05/30/24 15:00

Client ID: IB-01 3.5'-4.5' Date Received: 05/31/24

Sample Location: 4245 CLARK ST. HAMBURG 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/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	6.9		ug/kg	2.1	0.58	1
o-Xylene	1.6		ug/kg	1.0	0.30	1
Xylenes, Total	8.5		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	11		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	53		ug/kg	1.0	0.17	1
tert-Butylbenzene	3.4		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	6.0		ug/kg	1.0	0.11	1
p-Isopropyltoluene	64		ug/kg	1.0	0.11	1
Naphthalene	15		ug/kg	4.2	0.68	1
n-Propylbenzene	26		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	190		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	660	E	ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	0.99	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.72	1
Methyl cyclohexane	0.76	J	ug/kg	4.2	0.63	1

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-01 Date Collected: 05/30/24 15:00

Client ID: IB-01 3.5'-4.5' Date Received: 05/31/24

Sample Location: 4245 CLARK ST. HAMBURG Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	**191**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-02 D
Client ID: IB-02 6'-7'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:45
Date Received: 05/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 05:33
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5700	2600	20
1,1-Dichloroethane	ND		ug/kg	1100	160	20
Chloroform	ND		ug/kg	1700	160	20
Carbon tetrachloride	ND		ug/kg	1100	260	20
1,2-Dichloropropane	ND		ug/kg	1100	140	20
Dibromochloromethane	ND		ug/kg	1100	160	20
1,1,2-Trichloroethane	ND		ug/kg	1100	300	20
Tetrachloroethene	ND		ug/kg	570	220	20
Chlorobenzene	ND		ug/kg	570	140	20
Trichlorofluoromethane	ND		ug/kg	4500	790	20
1,2-Dichloroethane	ND		ug/kg	1100	290	20
1,1,1-Trichloroethane	ND		ug/kg	570	190	20
Bromodichloromethane	ND		ug/kg	570	120	20
trans-1,3-Dichloropropene	ND		ug/kg	1100	310	20
cis-1,3-Dichloropropene	ND		ug/kg	570	180	20
Bromoform	ND		ug/kg	4500	280	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	570	190	20
Benzene	ND		ug/kg	570	190	20
Toluene	1100		ug/kg	1100	610	20
Ethylbenzene	360	J	ug/kg	1100	160	20
Chloromethane	ND		ug/kg	4500	1000	20
Bromomethane	ND		ug/kg	2300	660	20
Vinyl chloride	ND		ug/kg	1100	380	20
Chloroethane	ND		ug/kg	2300	510	20
1,1-Dichloroethene	ND		ug/kg	1100	270	20
trans-1,2-Dichloroethene	ND		ug/kg	1700	160	20
Trichloroethene	ND		ug/kg	570	160	20
1,2-Dichlorobenzene	ND		ug/kg	2300	160	20

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-02 D
Client ID: IB-02 6'-7'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:45
Date Received: 05/31/24
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/kg	2300	170	20
1,4-Dichlorobenzene	ND		ug/kg	2300	190	20
Methyl tert butyl ether	ND		ug/kg	2300	230	20
p/m-Xylene	1000	J	ug/kg	2300	630	20
o-Xylene	ND		ug/kg	1100	330	20
Xylenes, Total	1000	J	ug/kg	1100	330	20
cis-1,2-Dichloroethene	ND		ug/kg	1100	200	20
Styrene	ND		ug/kg	1100	220	20
Dichlorodifluoromethane	ND		ug/kg	11000	1000	20
Acetone	ND		ug/kg	11000	5400	20
Carbon disulfide	ND		ug/kg	11000	5200	20
2-Butanone	ND		ug/kg	11000	2500	20
4-Methyl-2-pentanone	ND		ug/kg	11000	1400	20
2-Hexanone	ND		ug/kg	11000	1300	20
Bromochloromethane	ND		ug/kg	2300	230	20
1,2-Dibromoethane	ND		ug/kg	1100	320	20
n-Butylbenzene	15000		ug/kg	1100	190	20
tert-Butylbenzene	510	J	ug/kg	2300	130	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	3400	1100	20
Isopropylbenzene	1600		ug/kg	1100	120	20
p-Isopropyltoluene	12000		ug/kg	1100	120	20
Naphthalene	3700	J	ug/kg	4500	740	20
n-Propylbenzene	5900		ug/kg	1100	190	20
1,2,3-Trichlorobenzene	ND		ug/kg	2300	360	20
1,2,4-Trichlorobenzene	ND		ug/kg	2300	310	20
1,3,5-Trimethylbenzene	25000		ug/kg	2300	220	20
1,2,4-Trimethylbenzene	130000		ug/kg	2300	380	20
Methyl Acetate	ND		ug/kg	4500	1100	20
Cyclohexane	ND		ug/kg	11000	620	20
1,4-Dioxane	ND		ug/kg	90000	40000	20
Freon-113	ND		ug/kg	4500	780	20
Methyl cyclohexane	ND		ug/kg	4500	680	20

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-02 D
Client ID: IB-02 6'-7'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:45
Date Received: 05/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	**190**	Q	70-130
Dibromofluoromethane	95		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-03 D
Client ID: IB-03 7'-8'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:15
Date Received: 05/31/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 05:59
Analyst: JIC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	3200	1500	10
1,1-Dichloroethane	ND		ug/kg	650	94.	10
Chloroform	ND		ug/kg	970	90.	10
Carbon tetrachloride	ND		ug/kg	650	150	10
1,2-Dichloropropane	ND		ug/kg	650	81.	10
Dibromochloromethane	ND		ug/kg	650	90.	10
1,1,2-Trichloroethane	ND		ug/kg	650	170	10
Tetrachloroethene	ND		ug/kg	320	130	10
Chlorobenzene	ND		ug/kg	320	82.	10
Trichlorofluoromethane	ND		ug/kg	2600	450	10
1,2-Dichloroethane	ND		ug/kg	650	170	10
1,1,1-Trichloroethane	ND		ug/kg	320	110	10
Bromodichloromethane	ND		ug/kg	320	70.	10
trans-1,3-Dichloropropene	ND		ug/kg	650	180	10
cis-1,3-Dichloropropene	ND		ug/kg	320	100	10
Bromoform	ND		ug/kg	2600	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	320	110	10
Benzene	ND		ug/kg	320	110	10
Toluene	350	J	ug/kg	650	350	10
Ethylbenzene	380	J	ug/kg	650	91.	10
Chloromethane	ND		ug/kg	2600	600	10
Bromomethane	ND		ug/kg	1300	380	10
Vinyl chloride	ND		ug/kg	650	220	10
Chloroethane	ND		ug/kg	1300	290	10
1,1-Dichloroethene	ND		ug/kg	650	150	10
trans-1,2-Dichloroethene	ND		ug/kg	970	88.	10
Trichloroethene	ND		ug/kg	320	88.	10
1,2-Dichlorobenzene	ND		ug/kg	1300	93.	10

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-03 D
Client ID: IB-03 7'-8'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:15
Date Received: 05/31/24
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/kg	1300	96.	10
1,4-Dichlorobenzene	ND		ug/kg	1300	110	10
Methyl tert butyl ether	ND		ug/kg	1300	130	10
p/m-Xylene	1900		ug/kg	1300	360	10
o-Xylene	ND		ug/kg	650	190	10
Xylenes, Total	1900		ug/kg	650	190	10
cis-1,2-Dichloroethene	ND		ug/kg	650	110	10
Styrene	ND		ug/kg	650	130	10
Dichlorodifluoromethane	ND		ug/kg	6500	590	10
Acetone	ND		ug/kg	6500	3100	10
Carbon disulfide	ND		ug/kg	6500	2900	10
2-Butanone	ND		ug/kg	6500	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6500	830	10
2-Hexanone	ND		ug/kg	6500	760	10
Bromochloromethane	ND		ug/kg	1300	130	10
1,2-Dibromoethane	ND		ug/kg	650	180	10
n-Butylbenzene	14000		ug/kg	650	110	10
tert-Butylbenzene	520	J	ug/kg	1300	76.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1900	640	10
Isopropylbenzene	1400		ug/kg	650	70.	10
p-Isopropyltoluene	13000		ug/kg	650	70.	10
Naphthalene	5300		ug/kg	2600	420	10
n-Propylbenzene	5300		ug/kg	650	110	10
1,2,3-Trichlorobenzene	ND		ug/kg	1300	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	10
1,3,5-Trimethylbenzene	30000		ug/kg	1300	120	10
1,2,4-Trimethylbenzene	110000		ug/kg	1300	220	10
Methyl Acetate	ND		ug/kg	2600	610	10
Cyclohexane	ND		ug/kg	6500	350	10
1,4-Dioxane	ND		ug/kg	52000	23000	10
Freon-113	ND		ug/kg	2600	450	10
Methyl cyclohexane	ND		ug/kg	2600	390	10

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-03 D
Client ID: IB-03 7'-8'
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 14:15
Date Received: 05/31/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	**213**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 21:53
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1931129-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	17	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 21:53
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1931129-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	16	J	ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 21:53
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1931129-5					
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	95		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1931270-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	4.8		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	0.71	J	ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	1.8		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1931270-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.72	J	ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.55	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.36	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430322

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1931270-5					
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1931129-3 WG1931129-4								
Methylene chloride	93		92		70-130	1		30
1,1-Dichloroethane	98		97		70-130	1		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	91		93		70-130	2		30
1,2-Dichloropropane	99		103		70-130	4		30
Dibromochloromethane	96		102		70-130	6		30
1,1,2-Trichloroethane	92		98		70-130	6		30
Tetrachloroethene	102		105		70-130	3		30
Chlorobenzene	104		107		70-130	3		30
Trichlorofluoromethane	99		96		70-139	3		30
1,2-Dichloroethane	89		92		70-130	3		30
1,1,1-Trichloroethane	95		95		70-130	0		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	97		103		70-130	6		30
cis-1,3-Dichloropropene	98		101		70-130	3		30
Bromoform	90		94		70-130	4		30
1,1,2,2-Tetrachloroethane	95		100		70-130	5		30
Benzene	101		103		70-130	2		30
Toluene	102		104		70-130	2		30
Ethylbenzene	102		104		70-130	2		30
Chloromethane	77		75		52-130	3		30
Bromomethane	121		113		57-147	7		30
Vinyl chloride	101		99		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1931129-3 WG1931129-4								
Chloroethane	110		106		50-151	4		30
1,1-Dichloroethene	98		95		65-135	3		30
trans-1,2-Dichloroethene	100		97		70-130	3		30
Trichloroethene	95		96		70-130	1		30
1,2-Dichlorobenzene	105		107		70-130	2		30
1,3-Dichlorobenzene	107		109		70-130	2		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	92		94		66-130	2		30
p/m-Xylene	104		107		70-130	3		30
o-Xylene	102		105		70-130	3		30
cis-1,2-Dichloroethene	96		98		70-130	2		30
Styrene	106		108		70-130	2		30
Dichlorodifluoromethane	82		79		30-146	4		30
Acetone	71		76		54-140	7		30
Carbon disulfide	94		91		59-130	3		30
2-Butanone	76		77		70-130	1		30
4-Methyl-2-pentanone	94		100		70-130	6		30
2-Hexanone	77		79		70-130	3		30
Bromochloromethane	97		99		70-130	2		30
1,2-Dibromoethane	92		97		70-130	5		30
n-Butylbenzene	111		112		70-130	1		30
tert-Butylbenzene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	92		98		68-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2430322

Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1931129-3 WG1931129-4								
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	110		111		70-130	1		30
Naphthalene	101		106		70-130	5		30
n-Propylbenzene	105		107		70-130	2		30
1,2,3-Trichlorobenzene	108		111		70-130	3		30
1,2,4-Trichlorobenzene	117		118		70-130	1		30
1,3,5-Trimethylbenzene	102		104		70-130	2		30
1,2,4-Trimethylbenzene	104		107		70-130	3		30
Methyl Acetate	71		74		51-146	4		30
Cyclohexane	96		96		59-142	0		30
1,4-Dioxane	108		116		65-136	7		30
Freon-113	105		102		50-139	3		30
Methyl cyclohexane	101		102		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		85		70-130
Toluene-d8	96		94		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	92		92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

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: WG1931270-3 WG1931270-4								
Methylene chloride	90		80		70-130	12		30
1,1-Dichloroethane	92		85		70-130	8		30
Chloroform	85		81		70-130	5		30
Carbon tetrachloride	83		80		70-130	4		30
1,2-Dichloropropane	93		89		70-130	4		30
Dibromochloromethane	88		84		70-130	5		30
1,1,2-Trichloroethane	88		83		70-130	6		30
Tetrachloroethene	91		90		70-130	1		30
Chlorobenzene	95		91		70-130	4		30
Trichlorofluoromethane	94		88		70-139	7		30
1,2-Dichloroethane	83		79		70-130	5		30
1,1,1-Trichloroethane	86		83		70-130	4		30
Bromodichloromethane	84		81		70-130	4		30
trans-1,3-Dichloropropene	91		86		70-130	6		30
cis-1,3-Dichloropropene	92		87		70-130	6		30
Bromoform	82		79		70-130	4		30
1,1,2,2-Tetrachloroethane	89		87		70-130	2		30
Benzene	93		90		70-130	3		30
Toluene	91		90		70-130	1		30
Ethylbenzene	92		89		70-130	3		30
Chloromethane	70		63		52-130	11		30
Bromomethane	109		98		57-147	11		30
Vinyl chloride	92		84		67-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

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: WG1931270-3 WG1931270-4								
Chloroethane	101		93		50-151	8		30
1,1-Dichloroethene	90		83		65-135	8		30
trans-1,2-Dichloroethene	92		85		70-130	8		30
Trichloroethene	85		82		70-130	4		30
1,2-Dichlorobenzene	96		94		70-130	2		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	96		93		70-130	3		30
Methyl tert butyl ether	89		80		66-130	11		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	94		91		70-130	3		30
cis-1,2-Dichloroethene	90		86		70-130	5		30
Styrene	96		93		70-130	3		30
Dichlorodifluoromethane	73		68		30-146	7		30
Acetone	67		61		54-140	9		30
Carbon disulfide	85		79		59-130	7		30
2-Butanone	73		**68**	Q	70-130	7		30
4-Methyl-2-pentanone	89		84		70-130	6		30
2-Hexanone	72		**67**	Q	70-130	7		30
Bromochloromethane	91		85		70-130	7		30
1,2-Dibromoethane	87		82		70-130	6		30
n-Butylbenzene	98		98		70-130	0		30
tert-Butylbenzene	92		93		70-130	1		30
1,2-Dibromo-3-chloropropane	86		81		68-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2430322

Report Date: 06/19/24

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: WG1931270-3 WG1931270-4								
Isopropylbenzene	92		92		70-130	0		30
p-Isopropyltoluene	96		97		70-130	1		30
Naphthalene	94		90		70-130	4		30
n-Propylbenzene	94		94		70-130	0		30
1,2,3-Trichlorobenzene	100		97		70-130	3		30
1,2,4-Trichlorobenzene	106		103		70-130	3		30
1,3,5-Trimethylbenzene	93		93		70-130	0		30
1,2,4-Trimethylbenzene	95		94		70-130	1		30
Methyl Acetate	68		61		51-146	11		30
Cyclohexane	86		84		59-142	2		30
1,4-Dioxane	112		107		65-136	5		30
Freon-113	95		89		50-139	7		30
Methyl cyclohexane	88		87		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		83		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	93		90		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-01
Client ID: IB-01 3.5'-4.5'
Sample Location: 4245 CLARK ST. HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 05/30/24 15:00
Date Received: 05/31/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	06/04/24 02:22	121,2540G	WJM

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-02
Client ID: IB-02 6'-7'
Sample Location: 4245 CLARK ST. HAMBURG
Sample Depth:
Matrix: Soil

Date Collected: 05/30/24 14:45
Date Received: 05/31/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	06/04/24 02:22	121,2540G	WJM

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430322
Report Date: 06/19/24

SAMPLE RESULTS

Lab ID: L2430322-03
Client ID: IB-03 7'-8'
Sample Location: 4245 CLARK ST. HAMBURG
Sample Depth:
Matrix: Soil
Date Collected: 05/30/24 14:15
Date Received: 05/31/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	06/04/24 02:22	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2430322

Report Date: 06/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1929171-1 QC Sample: L2430318-01 Client ID: DUP Sample						
Solids, Total	91.8	91.0	%	1		20

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2430322
Report Date: 06/19/24

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(*)
L2430322-01A	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430322-01B	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-01X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-01Y	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)
L2430322-01Z	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)
L2430322-02A	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430322-02B	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-02X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-02Y	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)
L2430322-02Z	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)
L2430322-03A	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2430322-03B	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-03X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		NYTCL-8260-R2(14)
L2430322-03Y	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)
L2430322-03Z	Vial Water preserved split	A	NA		2.5	Y	Absent	**05-JUN-24 10:43**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430322
Project Number:	EA2305	**Report Date:**	06/19/24

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

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Date Rec'd in Lab: 6/1/24

ALPHA Job #: L2430322

Client Information
Client: Env. Advantage, Inc.
Address: 3636 N. Buffalo Rd.
Orchard Park, NY 14127
Phone: 716 667 3130
Fax: 716 667 3136
Email: mhanna@envadvantage.com

Project Information
Project Name: Waterfield Indoor Phase 2
Project Location: 4245 Clark St. Hamburg
Project # EA2305
(Use Project name as Project #) ☐
Project Manager: Mark Hanna & Mary Szustak
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO # EA2305

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Also email; mszustak@envadvantage.com
labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TS	TCL VOCs 8260							Sample Specific Comments	Total Bottle
30322-01	IB-01 3.5'-4.5'	5/30/24	3:00	S	CS	X	X								2
-02	IB-02 6-7'	5/30/24	2:45	S	CS	X	X								2
-03	IB-03 7-8'	5/30/24	2:15	S	CS	X	X								2

Container Type: P V
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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

Relinquished By:	Date/Time	Received By:	Date/Time
	5/31/24 14:15		5/31 1415
	5/31 1515		6/1/24 0040

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.)

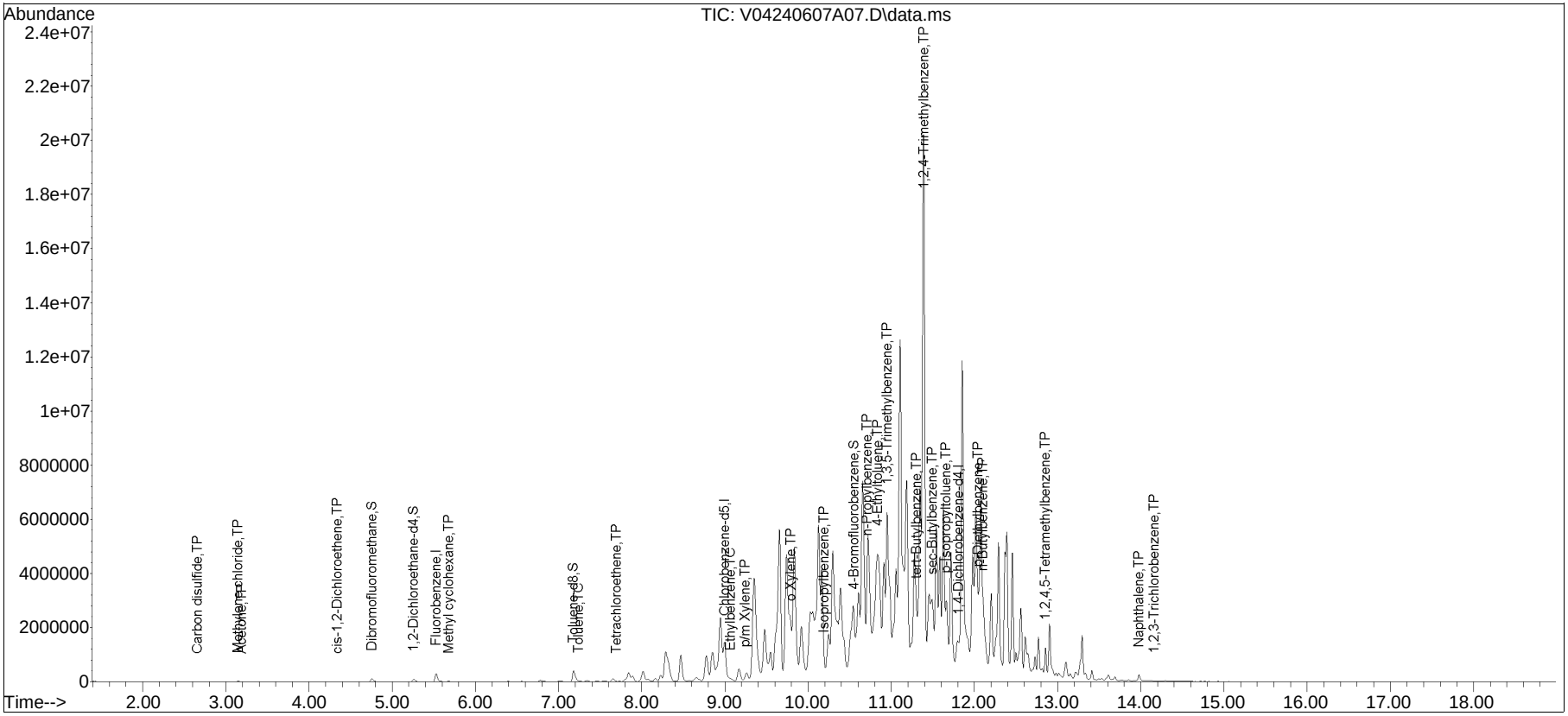
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2024\240607A\
Data File : V04240607A07.D
Acq On : 7 Jun 2024 11:08 am
Operator : VOA104:MKS
Sample : L2430322-01,31,5.51,5,,Y
Misc : WG1931270,ICAL21038
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 11:51:01 2024
Quant Method : K:\VOA104\2024\240607A\V104_240410N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 11 11:43:39 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox07A01.D•

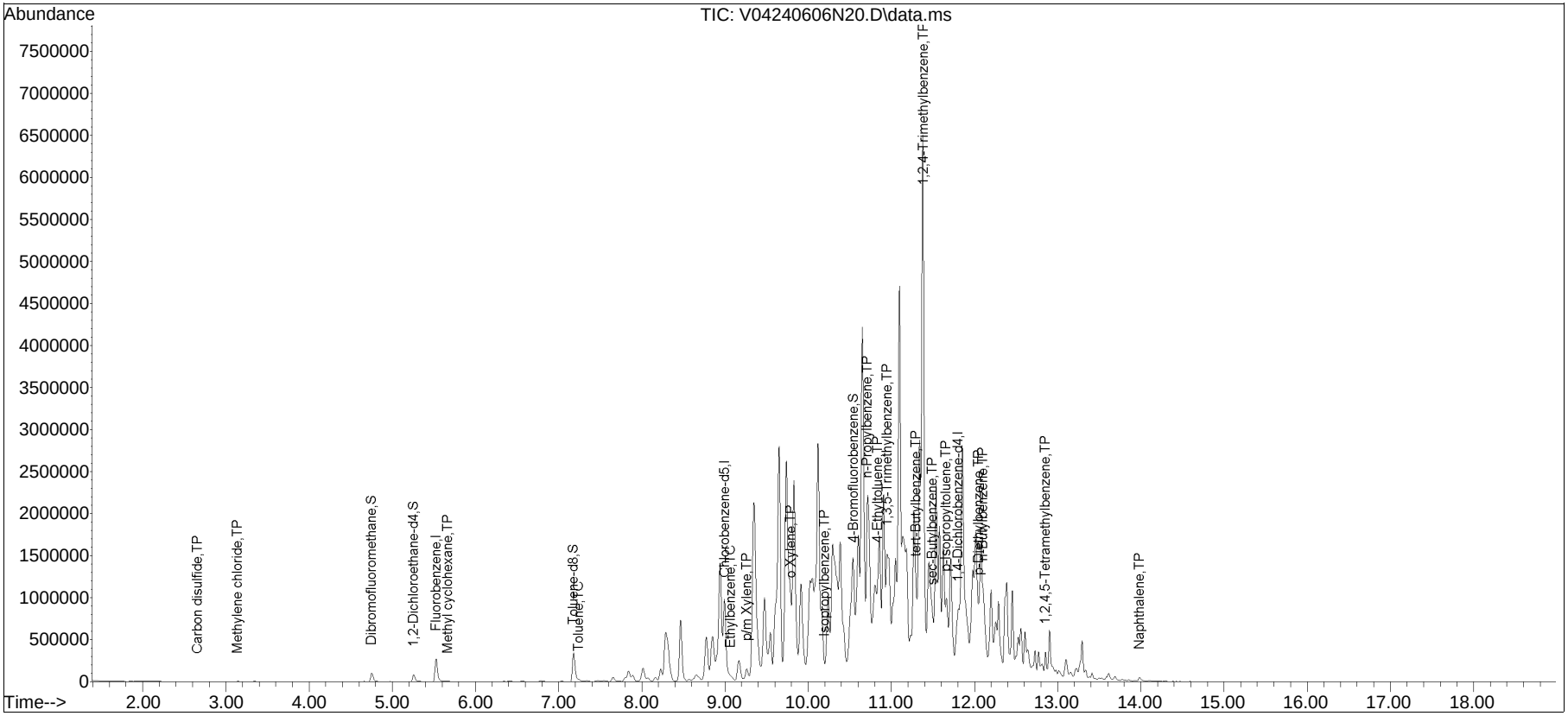


Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2024\240606N\
Data File : V04240606N20.D
Acq On : 7 Jun 2024 5:33 am
Operator : VOA104:JIC
Sample : L2430322-02D,31H,5.92,5,0.005,,X
Misc : WG1931129,ICAL21038
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 07 09:35:06 2024
Quant Method : K:\VOA104\2024\240606N\V104_240410N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 11 11:43:39 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox06N01.D•

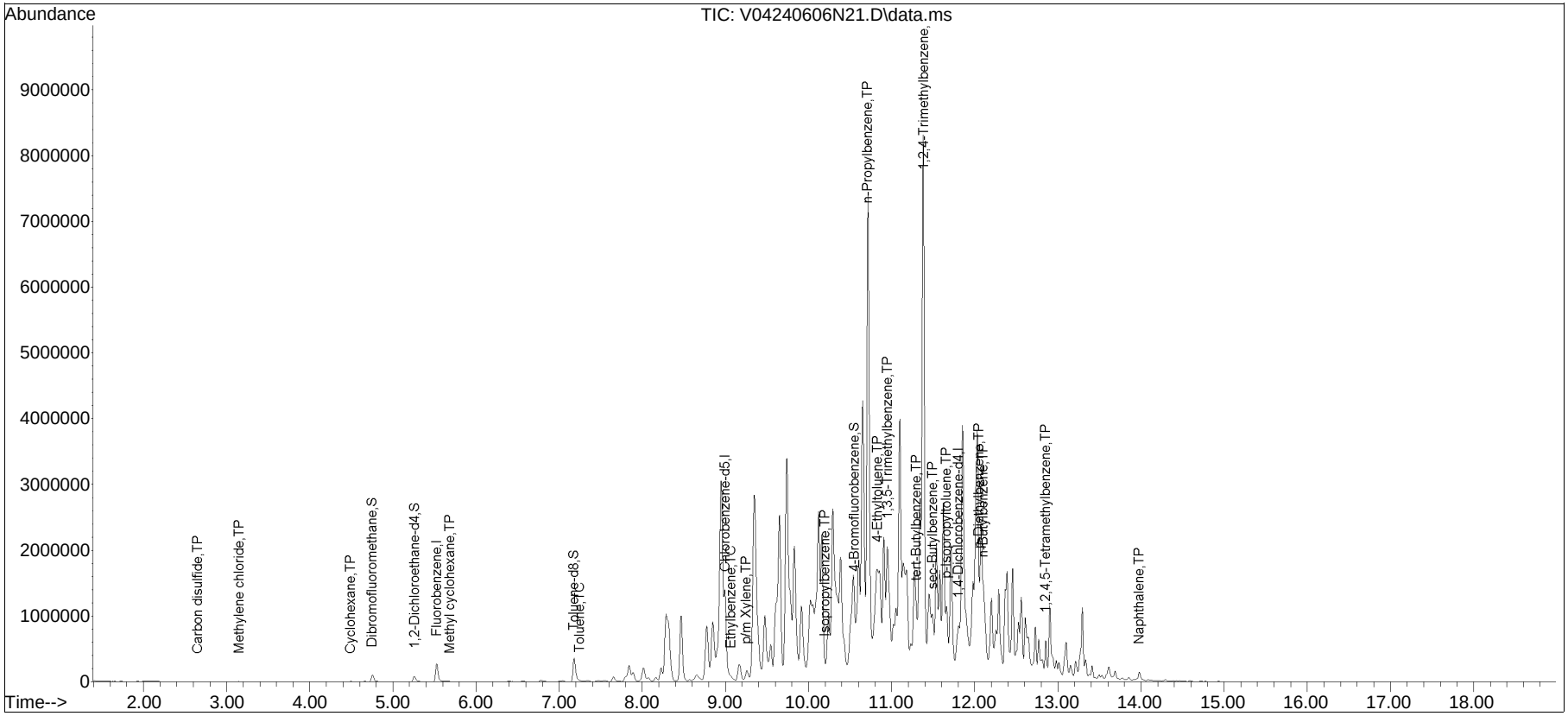


Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2024\240606N\
Data File : V04240606N21.D
Acq On : 7 Jun 2024 5:59 am
Operator : VOA104:JIC
Sample : L2430322-03D,31H,5.22,5,0.01,,X
Misc : WG1931129,ICAL21038
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 07 09:36:10 2024
Quant Method : K:\VOA104\2024\240606N\V104_240410N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Apr 11 11:43:39 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox06N01.D•



ANALYTICAL REPORT

Lab Number:	L2430553
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD INDOOR PHASE 2
Project Number:	EA2305
Report Date:	06/26/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2430553
Report Date: 06/26/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430553-01	IW-01 (WATER LAYER)	WATER	4245 CLARK ST, HAMBURG	05/30/24 11:30	06/03/24
L2430553-02	IW-01 (DNAPL LAYER)	OIL	4245 CLARK ST, HAMBURG	05/30/24 11:30	06/03/24

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

Case Narrative

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

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

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

Soil/sediments, 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

Case Narrative (continued)

Report Revision

June 26, 2024: The Volatile Organics analyte list has been amended on L2430553-01.

Report Submission

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

Sample Receipt

L2430553-01: The sample was received in an inappropriate container for the TCL Volatiles - EPA 8260D analysis. An aliquot was taken from an unpreserved container and preserved appropriately.

Volatile Organics

L2430553-01: The pH was greater than two; however, the sample was analyzed within the method required holding time.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/26/24

ORGANICS

VOLATILES

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

SAMPLE RESULTS

Lab ID: L2430553-01
Client ID: IW-01 (WATER LAYER)
Sample Location: 4245 CLARK ST, HAMBURG

Date Collected: 05/30/24 11:30
Date Received: 06/03/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/24 09:17
Analyst: PID

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	2.4		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	1.9	J	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: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

SAMPLE RESULTS

Lab ID: L2430553-01 Date Collected: 05/30/24 11:30

Client ID: IW-01 (WATER LAYER) Date Received: 06/03/24

Sample Location: 4245 CLARK ST, HAMBURG 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	0.17	1
p/m-Xylene	4.1		ug/l	2.5	0.70	1
o-Xylene	1.3	J	ug/l	2.5	0.70	1
Xylenes, Total	5.4	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.75	J	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	6.2		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
n-Butylbenzene	15		ug/l	2.5	0.70	1
sec-Butylbenzene	17		ug/l	2.5	0.70	1
tert-Butylbenzene	1.4	J	ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	5.7		ug/l	2.5	0.70	1
p-Isopropyltoluene	4.7		ug/l	2.5	0.70	1
Naphthalene	24		ug/l	2.5	0.70	1
n-Propylbenzene	12		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	8.8		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	120		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.27	J	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

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

SAMPLE RESULTS

Lab ID: L2430553-01 Date Collected: 05/30/24 11:30

Client ID: IW-01 (WATER LAYER) Date Received: 06/03/24

Sample Location: 4245 CLARK ST, HAMBURG Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	110		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1930619-5					
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: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1930619-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.17
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
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
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2430553

Project Number: EA2305 **Report Date:** 06/26/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:32
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1930619-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2430553

Report Date: 06/26/24

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: WG1930619-3 WG1930619-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		94		70-130	6		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	94		90		70-130	4		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	120		110		67-130	9		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	98		95		70-130	3		20
cis-1,3-Dichloropropene	98		95		70-130	3		20
Bromoform	100		93		54-136	7		20
1,1,2,2-Tetrachloroethane	110		100		67-130	10		20
Benzene	100		97		70-130	3		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	86		82		64-130	5		20
Bromomethane	62		60		39-139	3		20
Vinyl chloride	89		86		55-140	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2430553

Report Date: 06/26/24

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: WG1930619-3 WG1930619-4								
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	84		82		63-130	2		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	105		100		70-130	5		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	96		98		58-148	2		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	82		84		63-138	2		20
4-Methyl-2-pentanone	66		66		59-130	0		20
2-Hexanone	65		64		57-130	2		20
Bromochloromethane	110		100		70-130	10		20
1,2-Dibromoethane	100		98		70-130	2		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	120		110		70-130	9		20
tert-Butylbenzene	120		110		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2430553
Report Date: 06/26/24

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: WG1930619-3 WG1930619-4								
1,2-Dibromo-3-chloropropane	95		93		41-144	2		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	92		90		70-130	2		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	95		92		70-130	3		20
1,2,4-Trichlorobenzene	97		92		70-130	5		20
1,3,5-Trimethylbenzene	120		110		64-130	9		20
1,2,4-Trimethylbenzene	120		110		70-130	9		20
Methyl Acetate	89		85		70-130	5		20
Cyclohexane	90		84		70-130	7		20
1,4-Dioxane	88		82		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	109		110		70-130

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2430553
Report Date: 06/26/24

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(*)*
L2430553-01A	Plastic 950ml unpreserved	A	NA		4.6	Y	Absent		NYTCL-8260-R2(7)
L2430553-01X	Vial HCl preserved split	A	NA		4.6	Y	Absent		NYTCL-8260-R2(7)
L2430553-01Y	Vial HCl preserved split	A	NA		4.6	Y	Absent		NYTCL-8260-R2(7)
L2430553-01Z	Vial HCl preserved split	A	NA		4.6	Y	Absent		NYTCL-8260-R2(7)
L2430553-02X	Vial MeOH preserved split	NA	NA			Y	Absent		ARCHIVE()

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2430553
Project Number:	EA2305	**Report Date:**	06/26/24

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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: 6/4/24

ALPHA Job #: L2430553

Project Information

Project Name: Waterfield Indoor Phase 2
Project Location: 4245 Clark St. Hamburg
Project #: EA2305
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Client Information

Client: Env. Advantage, Inc
Address: 3636 N. Buffalo Rd, Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO # EA2305

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please also email; Mszustak@envadvantage.com
labresults@envadvantage.com

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOC 8260	Sample Specific Comments	Total Bottles
30553 -01	IW-01	5/30/24	11:30	GW	CS	X	2 Samples to be taken, one from the water one from DNAPL.	1

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

	TCL VOC 8260
Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/3/24 14:33	[signature] PACE	14:33
[signature] PACE	6/3/24 15:15	[signature]	6/4/24 0030

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.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2432463
Client:	Environmental Advantage, Inc. 3636 North Buffalo Road Orchard Park, NY 14127
ATTN:	Mark Hanna
Phone:	(716) 667-3130
Project Name:	WATERFIELD INDOOR PHASE 2
Project Number:	EA2305
Report Date:	06/19/24

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2432463
Report Date: 06/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2432463-01	IW-01 (BOTTOM LAYER)	SEDIMENT	4245 CLARK ST. HAMBURG	05/30/24 11:30	06/03/24

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

Case Narrative

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

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

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

Soil/sediments, 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

Case Narrative (continued)

Report Revision

June 19, 2024: The Volatile Organics analyte list has been amended on L2432463-01.

June 17, 2024: The Client ID was amended on L2432463-01.

Report Submission

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

Volatile Organics

L2432463-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

L2432463-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (263%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 06/19/24

ORGANICS

VOLATILES

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2432463-01
Client ID: IW-01 (BOTTOM LAYER)
Sample Location: 4245 CLARK ST. HAMBURG

Date Collected: 05/30/24 11:30
Date Received: 06/03/24
Field Prep: Not Specified

Sample Depth:
Matrix: Sediment
Analytical Method: 1,8260D
Analytical Date: 06/13/24 15:26
Analyst: AJK
Percent Solids: Results reported on an 'AS RECEIVED' basis.

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	50	7.2	1
Chloroform	ND		ug/kg	75	7.0	1
Carbon tetrachloride	ND		ug/kg	50	11.	1
1,2-Dichloropropane	ND		ug/kg	50	6.2	1
Dibromochloromethane	ND		ug/kg	50	7.0	1
1,1,2-Trichloroethane	ND		ug/kg	50	13.	1
Tetrachloroethene	ND		ug/kg	25	9.8	1
Chlorobenzene	ND		ug/kg	25	6.3	1
Trichlorofluoromethane	ND		ug/kg	200	35.	1
1,2-Dichloroethane	ND		ug/kg	50	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.3	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	50	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3	1
Benzene	ND		ug/kg	25	8.3	1
Toluene	ND		ug/kg	50	27.	1
Ethylbenzene	13	J	ug/kg	50	7.0	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	100	29.	1
Vinyl chloride	ND		ug/kg	50	17.	1
Chloroethane	ND		ug/kg	100	22.	1
1,1-Dichloroethene	ND		ug/kg	50	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8	1
Trichloroethene	ND		ug/kg	25	6.8	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.2	1

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2432463-01 Date Collected: 05/30/24 11:30

Client ID: IW-01 (BOTTOM LAYER) Date Received: 06/03/24

Sample Location: 4245 CLARK ST. HAMBURG Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	100	7.4	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.5	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	53	J	ug/kg	100	28.	1
o-Xylene	20	J	ug/kg	50	14.	1
Xylenes, Total	73	J	ug/kg	50	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	8.7	1
Styrene	ND		ug/kg	50	9.8	1
Dichlorodifluoromethane	ND		ug/kg	500	46.	1
Acetone	ND		ug/kg	500	240	1
Carbon disulfide	ND		ug/kg	500	230	1
2-Butanone	ND		ug/kg	500	110	1
4-Methyl-2-pentanone	ND		ug/kg	500	64.	1
2-Hexanone	ND		ug/kg	500	59.	1
Bromochloromethane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	50	14.	1
n-Butylbenzene	2300		ug/kg	50	8.3	1
sec-Butylbenzene	1500		ug/kg	50	7.3	1
tert-Butylbenzene	100		ug/kg	100	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.	1
Isopropylbenzene	120		ug/kg	50	5.4	1
p-Isopropyltoluene	630		ug/kg	50	5.4	1
Naphthalene	560		ug/kg	200	32.	1
n-Propylbenzene	520		ug/kg	50	8.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	520		ug/kg	100	9.6	1
1,2,4-Trimethylbenzene	4500		ug/kg	100	17.	1
Methyl Acetate	ND		ug/kg	200	47.	1
Cyclohexane	ND		ug/kg	500	27.	1
1,4-Dioxane	ND		ug/kg	4000	1800	1
Freon-113	ND		ug/kg	200	34.	1
Methyl cyclohexane	51	J	ug/kg	200	30.	1

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

SAMPLE RESULTS

Lab ID: L2432463-01 Date Collected: 05/30/24 11:30

Client ID: IW-01 (BOTTOM LAYER) Date Received: 06/03/24

Sample Location: 4245 CLARK ST. HAMBURG Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	**263**	Q	70-130
Dibromofluoromethane	100		70-130

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/13/24 08:04
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1934426-5					
Methylene chloride	110	J	ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/13/24 08:04
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1934426-5					
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Styrene	11	J	ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.

Project Name: WATERFIELD INDOOR PHASE 2 **Lab Number:** L2432463

Project Number: EA2305 **Report Date:** 06/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/13/24 08:04
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01 Batch: WG1934426-5					
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2432463

Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1934426-3 WG1934426-4								
Methylene chloride	86		92		70-130	7		30
1,1-Dichloroethane	90		97		70-130	7		30
Chloroform	94		97		70-130	3		30
Carbon tetrachloride	92		92		70-130	0		30
1,2-Dichloropropane	94		99		70-130	5		30
Dibromochloromethane	82		88		70-130	7		30
1,1,2-Trichloroethane	89		96		70-130	8		30
Tetrachloroethene	97		99		70-130	2		30
Chlorobenzene	93		96		70-130	3		30
Trichlorofluoromethane	104		103		70-139	1		30
1,2-Dichloroethane	97		103		70-130	6		30
1,1,1-Trichloroethane	94		96		70-130	2		30
Bromodichloromethane	87		92		70-130	6		30
trans-1,3-Dichloropropene	89		97		70-130	9		30
cis-1,3-Dichloropropene	90		96		70-130	6		30
Bromoform	74		80		70-130	8		30
1,1,2,2-Tetrachloroethane	85		97		70-130	13		30
Benzene	97		96		70-130	1		30
Toluene	93		96		70-130	3		30
Ethylbenzene	96		98		70-130	2		30
Chloromethane	105		105		52-130	0		30
Bromomethane	112		109		57-147	3		30
Vinyl chloride	98		97		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2

Project Number: EA2305

Lab Number: L2432463

Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1934426-3 WG1934426-4								
Chloroethane	101		102		50-151	1		30
1,1-Dichloroethene	92		92		65-135	0		30
trans-1,2-Dichloroethene	93		94		70-130	1		30
Trichloroethene	93		94		70-130	1		30
1,2-Dichlorobenzene	92		96		70-130	4		30
1,3-Dichlorobenzene	94		97		70-130	3		30
1,4-Dichlorobenzene	93		95		70-130	2		30
Methyl tert butyl ether	82		93		66-130	13		30
p/m-Xylene	97		100		70-130	3		30
o-Xylene	94		97		70-130	3		30
cis-1,2-Dichloroethene	89		87		70-130	2		30
Styrene	91		95		70-130	4		30
Dichlorodifluoromethane	90		91		30-146	1		30
Acetone	91		113		54-140	22		30
Carbon disulfide	97		97		59-130	0		30
2-Butanone	92		106		70-130	14		30
4-Methyl-2-pentanone	79		94		70-130	17		30
2-Hexanone	79		98		70-130	21		30
Bromochloromethane	90		92		70-130	2		30
1,2-Dibromoethane	87		95		70-130	9		30
n-Butylbenzene	103		103		70-130	0		30
sec-Butylbenzene	100		101		70-130	1		30
tert-Butylbenzene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305
Lab Number: L2432463
Report Date: 06/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1934426-3 WG1934426-4								
1,2-Dibromo-3-chloropropane	74		84		68-130	13		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	99		99		70-130	0		30
Naphthalene	83		92		70-130	10		30
n-Propylbenzene	101		102		70-130	1		30
1,2,3-Trichlorobenzene	88		93		70-130	6		30
1,2,4-Trichlorobenzene	92		94		70-130	2		30
1,3,5-Trimethylbenzene	97		98		70-130	1		30
1,2,4-Trimethylbenzene	95		97		70-130	2		30
Methyl Acetate	95		112		51-146	16		30
Cyclohexane	110		104		59-142	6		30
1,4-Dioxane	88		105		65-136	18		30
Freon-113	102		102		50-139	0		30
Methyl cyclohexane	95		96		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		108		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	102		101		70-130

Project Name: WATERFIELD INDOOR PHASE 2
Project Number: EA2305

Lab Number: L2432463
Report Date: 06/19/24

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(*)
L2432463-01A	Plastic 950ml unpreserved	A	NA		4.6	N	Absent		NYTCL-8260H-R2(14)
L2432463-01U	Vial unpreserved split	NA	NA			Y	Absent		ARCHIVE()
L2432463-01V	Vial unpreserved split	NA	NA			Y	Absent		ARCHIVE()
L2432463-01W	Vial unpreserved split	NA	NA			Y	Absent		ARCHIVE()
L2432463-01X	Vial MeOH preserved split	A	NA		4.6	Y	Absent		NYTCL-8260H-R2(14)
L2432463-01Y	Vial Water preserved split	NA	NA			Y	Absent	**12-JUN-24 07:40**	NYTCL-8260H-R2(14)
L2432463-01Z	Vial Water preserved split	NA	NA			Y	Absent	**12-JUN-24 07:40**	NYTCL-8260H-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. 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:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

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.)

Project Name:	WATERFIELD INDOOR PHASE 2	**Lab Number:**	L2432463
Project Number:	EA2305	**Report Date:**	06/19/24

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

ALPHA ANALYTICAL

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

NEW YORK CHAIN OF CUSTODY

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: 6/4/24

L2432463 WMC 6/10/24
ALPHA Job #: ~~L2430553~~

Project Information

Project Name: Waterfield Indoor Phase 2
Project Location: 4245 Clark St. Hamburg
Project #: EA2305
(Use Project name as Project #) ☐
Project Manager: Mark Hanna + Mary Szustak
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information

Client: Env. Advantage, Inc
Address: 3636 N. Buffalo Rd Orchard Park, NY 14127
Phone: 716-667-3130
Fax: 716-667-3156
Email: mhanna@envadvantage.com

Deliverables

☒ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO # EA2305

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Please also email; Mszustak@envadvantage.com
labresults@envadvantage.com

Please specify Metals or TAL.

ANALYSIS: TCL VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC 8260							Sample Specific Comments	Total Bottles
~~30553~~ -01 32463	IW-01	5/30/24	11:30	GW	CS	X							2 Samples to be taken, one from the water one from DNAPL.	1

Preservative Code:	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/3/24 14:33	[signature] PACE	14:33
[signature] PACE	6/3/24 15:15	[signature]	6/4/24 0030

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.)

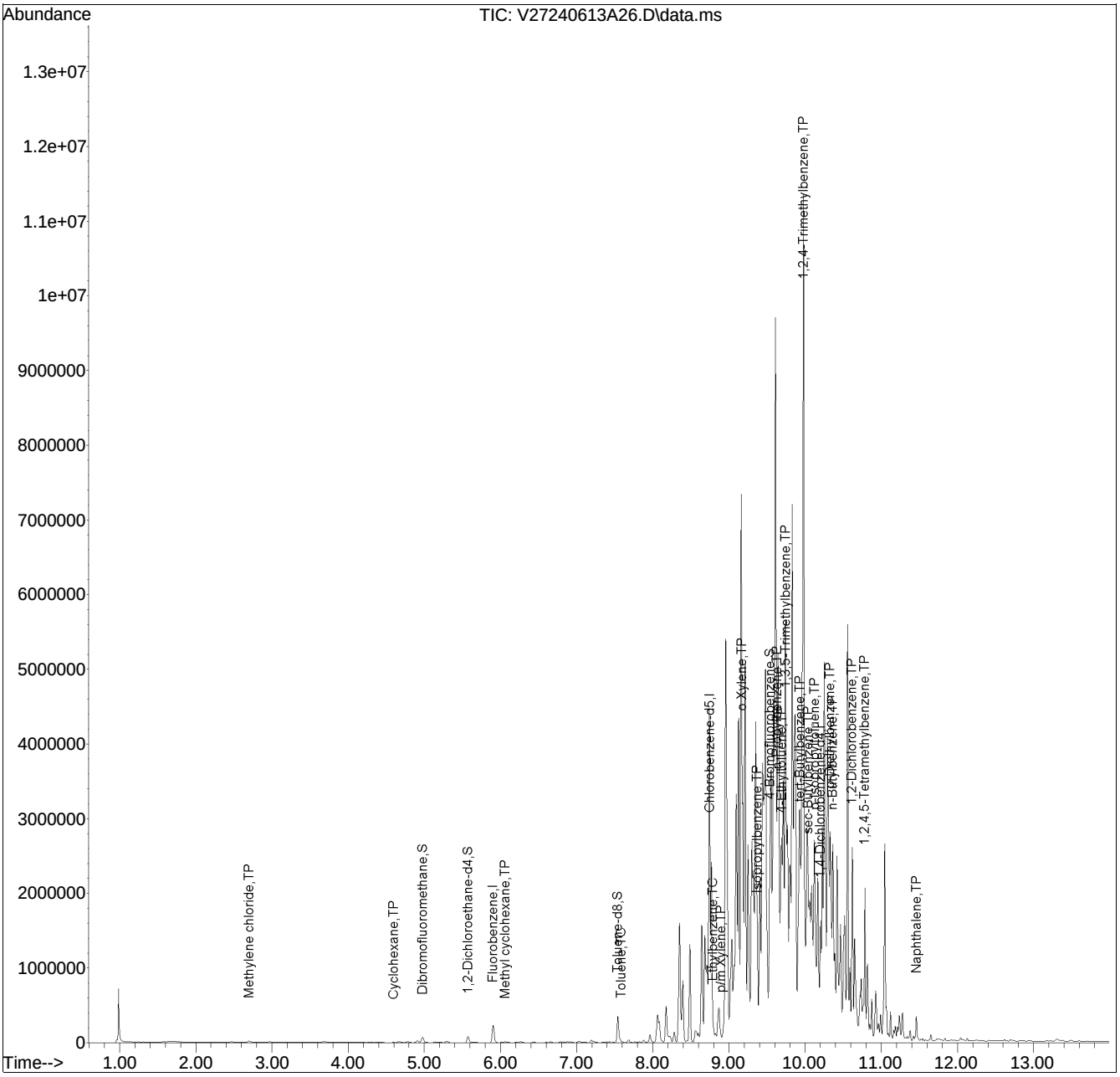
Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : K:\VOA127\2024\240613A\
Data File : V27240613A26.D
Acq On : 13 Jun 2024 03:26 pm
Operator : VOA127:AJK
Sample : L2432463-01,31H,5.01,5,0.100,,X
Misc : WG1934426,ICAL21177
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 14 08:17:12 2024
Quant Method : K:\VOA127\2024\240613A\V127_240606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 07 09:03:54 2024
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox13A01.D•



Attachment E

Objectives and Limitations

OBJECTIVES AND LIMITATIONS

Environmental Advantage, Inc. (EA) has endeavored to meet what it believes is the applicable standard of care for the services completed and, in doing so, is obliged to advise our Client of the Focused Phase II Environmental Site Assessment (ESA) limitations. EA believes that providing information about limitations is essential to help our Client identify and thereby manage risks. These risks can be mitigated, and possibly eliminated, through additional research or investigation. EA will, upon request, advise our Client of the additional research opportunities available and their associated costs.

The findings and opinions conveyed via this ESA report are based upon information obtained during the performance of the investigation, and which EA believes is reliable. EA cannot, and does not warrant, the authenticity or reliability of the information sources it has relied upon in the development of the scope of work for this ESA. In those instances where additional services or service enhancements are included in the report as requested or authorized by the Client, specific limitations attendant to those services are presented in the text of the report.

The final report represents EA's service to our Client as of the report date. In that regard, the report constitutes EA's final document, and the text of the report may not be altered in any manner after final issuance of same. Opinions relative to environmental conditions presented in this report are based upon information derived from the most recent site investigation date and from other activities described herein. The Client are herewith advised that the conditions observed by EA are subject to change. Certain indicators of the presence of hazardous materials may have been latent or not present at the time of the most recent site reconnaissance and may have subsequently become observable. In similar manner, the research effort conducted for a Phase II ESA is limited. Accordingly, it is possible that EA's investigative activities, while fully appropriate for a Phase II ESA and in compliance with the scope of service, may not include identify other important environmental conditions. Assuming such conditions exist, information suggesting their presence may not have been considered in the formulation of the scope of services or EA’s findings and conclusions.

The final report is not a comprehensive site characterization or regulatory compliance audit and should not be construed as such. The opinions presented in this report are based upon findings derived from a site reconnaissance, a review of previously completed ESA(s), and on-site investigative activities. Specifically, EA does not, and cannot, represent that the Site contains no hazardous or toxic materials, products, or other latent conditions beyond that observed by EA during its Site assessment. Further, the services herein shall in no way be construed, designed or intended to be relied upon as legal interpretation or advice.