Periodic Review Report

Olean Redevelopment Parcel 1
Olean, New York
BCP Site No. C905031

June 2023 0283-017-001

Prepared For:

OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

Prepared By:

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PERIODIC REVIEW REPORT

OLEAN REDEVELOPMENT PARCEL 1
BCP SITE NO. C905031

OLEAN, NEW YORK

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Prepared for:

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PERIODIC REVIEW REPORT (2022/2023)

Olean Redevelopment Parcel 1

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1.0 INTRODUCTION

Benchmark Civil/Environmental Engineering & Geology, PLLC (Benchmark) has prepared this Periodic Review Report (PRR) on behalf of Olean Gateway LLC and HK Olean Hotel LLC (HK Olean) to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C905031, commonly referred to as the Olean Redevelopment Parcel 1 (Site). The Site is in Olean, Cattaraugus County, New York (see Figure 1).

This PRR has been prepared in accordance with NYSDEC DER-10/ Technical Guidance for Site Investigation and Remediation (May 3, 2010) (Ref. 1) for the period May 9, 2022 to May 9, 2023. Appendix A includes the completed NYSDEC Institutional and Engineering Controls (IC/EC) Certification Form for the Site.

1.1 Site Background

Olean Gateway LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in October 2012 to investigate and remediate the 25.099-acre Olean Redevelopment Parcel 1 that consisted of two tax parcels in the City of Olean, Cattaraugus County, New York identified as 1404-1406 Buffalo Street (Tax Map # 94.047-2-29; 24.154 acres) and 1420 Buffalo Street (Tax Map # 94.047-2-30; 0.945 acres) (see Figure 1)[1]. The Site was remediated to NYSDEC Part 375 Track 4 restricted commercial soil cleanup objectives (CSCOs) and will be used for commercial purposes.

Olean Redevelopment Parcel 1 is a portion of a larger former refinery operation that operated in the Olean area from the mid-1800s through the 1950s. Separate refineries operated on the property and were merged in 1902 into the Vacuum Oil Company that, in 1931, became the Socony-Vacuum Oil Company until 1954 when the refinery closed. The property was divided into multiple parcels in the 1960s. Felmont Oil Company (Felmont) constructed an anhydrous ammonia plant on the northern parcels (Olean Redevelopment Parcels 2 and 3) where they manufactured ammonia from natural gas. Felmont sold the ammonia to Agway for use in manufacturing fertilizer at Agway's plant located on Olean Redevelopment Parcel 1. In 1983, Agway purchased the portion of the Felmont site that included the ammonia production plant. Agway dismantled and sold both the ammonia and fertilizer plants in 1984.

[1] See Section 2.0 as the property tax map numbers have been changed.

The properties adjoining and surrounding the Site primarily include commercial and industrial properties. The Site is bound by a Verizon facility, Olean Redevelopment Parcel 2 (currently redeveloped as a solar farm), and an undeveloped portion of Olean Redevelopment Site 3 to the north; the Dresser-Rand Company to the east; and Buffalo Street to the south and west. Figure 2 is an aerial view of the Site prior to remediation. Figure 3 is an aerial view of the Site following remediation and prior to the redevelopment activities.

A Remedial Action Work Plan (RAWP; Ref. 2) was prepared and submitted by Olean Gateway LLC in March 2014 and approved by the NYSDEC to address the residual soil and groundwater remediation. The remedial program was successful in achieving the remedial objectives for the Site. The Site Management Plan (SMP; Ref. 3) and Final Engineering Report (FER; Ref. 4) were approved by the NYSDEC in November and December 2016. The COC was recorded on December 20, 2016.

The owner of the Site at the time of issuance of the SMP was Olean Gateway LLC. The Site has since been subdivided as illustrated by Figure 3. Ownership of approximately 5.83 acres in the southeast portion of the Site was transferred in 2018 to HK Olean. The conveyance of this portion to HK Olean changed the tax map identification numbers to 94.047-2-29.1 and 94.047-2-29.2 (see Figure 4). Olean Gateway retained the status and rights as a COC holder.

On March 5, 2019, HK Olean submitted a 60-Day Advance Notification to NYSDEC (provided in Appendix A of the 2019 PRR) of its intent to transfer a portion of the 5.83-acre property and the COC to Buffalo Olean I LLC (1.56 acres) and Buffalo Olean II LLC (1.88 acres); this transfer occurred on May 17, 2019. HK Olean retained ownership of a 2.39-acre parcel and its status and rights as a COC holder.

The portion of the site retained by HK Olean was redeveloped with a hotel between 2020 and 2021. Redevelopment excavation work and import/export material logs are included in the Construction Closeout Report (CCR) submitted to the Department June 2021.

1.2 Purpose/Scope

The SMP requires, among other things, periodic inspections, and certification that the IC/ECs implemented at the Site remain in place and are functioning as designed. This PRR serves that purpose as well as documenting post-remedial actions taken since the COC was issued.

2.0 SITE OVERVIEW

The Site is a 25.099-acre area bounded by Buffalo Street to the south and west; a Verizon facility, Olean Redevelopment Site 2 (NYSDEC BCP Site C905032,) and Olean Redevelopment Parcel 3 (NYSDEC BCP Site No. C905033) to the north; and Dresser-Rand to the east. The boundaries of the Site are more fully described in the Environmental Easement (Ref. 3; Appendix D).

Prior remedial activities occurred between 2010 and 2015 and were performed under the 2009 Interim Remedial Measures (IRM) Work Plan (Ref. 5) and 2014 RAWP (Ref. 2).

2.1 Interim Remedial Measures (IRM)

IRMs were previously performed in 2010 (prior to purchase of the property by Olean Gateway) by ExxonMobil in accordance with the IRM Work Plan. The IRM Report for the Buffalo Street Properties (Olean Redevelopment Parcels 1, 2 & 3) was prepared in March 2011 (Ref. 6). The previous IRM activities associated with Olean Redevelopment Parcel 1 consisted of the following:

- Closure/removal of several unidentifiable or suspected septic tanks
  - Building 1: One vertical concrete tank of unknown size removed.
  - Building 4: Two approx. 3,000-gallon suspected septic tanks closed in-place and one approx. 1,000-gallon aluminum lined concrete tank removed.
  - Building 6: One approx. 700-gallon concrete and one approx. 500-gallon steel tank removed.
  - West of Former Building 7 (BCP Site No. 1): One tank removed.
- Recovery of measurable light non-aqueous phase liquid (LNAPL) from groundwater monitoring wells via sorbent socks.

2.2 Remedial Actions

The following is a summary of the remedial actions completed by Olean Gateway at the Olean Redevelopment Parcel 1:

- Approximately 1,652 tons of arsenic contaminated soil/fill was excavated, loaded, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill, located in Chaffee, NY.

- Approximately 110 tons of mercury-contaminated soil/fill was excavated, loaded, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill.
- Approximately 357 tons of PCB-contaminated soil/fill was excavated, loaded, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill.
- Removal of apparent ammonia tank, approximately 500-gallon stainless steel vertical underground storage tank (UST) with no piping; and associated PCB- and ammonia-impacted soil/fill. Approximately 181 tons of ammonia-impacted soil/fill were transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill as non-hazardous waste. Approximately 125 tons of additional PCB-impacted soil/fill were transported off-site by US Bulk Transport, Inc. for disposal at Chemical Waste Management's Emelle Facility at 36964 Alabama Highway in Emelle, AL as hazardous waste.
- Approximately 5,722 tons of PAH (SVOC)-contaminated soil/fill was excavated, loaded, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill.
- Approximately 49,976 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned and recycled. Smaller diameter (2"-8") piping that extended beyond the property boundary was cut and capped with plastic gripper mechanical ("end of pipe") plugs. Larger diameter piping was grouted at the apparent property line using bricks and mortar. Approximately 2,552 cubic yards (CY) of grossly contaminated petroleum soil (GCPS) were excavated during piping removal activities and treated with the on-site force-vented biopiles (FVBPs) and reused as backfill below the cover system. Approximately 578 tons of GCPS were excavated, loaded, and transported off-site by D&H Excavating for disposal at Waste Management's Chaffee Landfill.
- Approximately 48, 55-gallon drums were generated during the remedial work, 42 of which were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. The drums were disposed at CWM Chemical Services, LLC, located in Model City, NY. In addition to the drums, approximately 5.5 tons of tank contents, placed into roll-off containers and solidified with Portland cement due to liquid content, were disposed at Waste Management's Chaffee Landfill. Water extracted from excavations during piping removal was pumped into holding tanks, treated on-site with bag filters and granular activated carbon (GAC), pumped into a secondary on-site temporary holding tank, sampled, and discharged to the City of the Olean sanitary sewer via the on-site 8-inch sanitary sewer piping with approval under an Industrial Pretreatment Program permit. Approximately six drums of

wash water generated during holding tank cleaning were disposed at CWM Chemical Services, LLC.

- Installation and operation of a soil vapor extraction (SVE) system to address GCPS from approximately 2 to 15 feet below ground surface (fbgs). The SVE system included the installation of seven SVE wells, associated conveyance piping, and placement of an SVE blower. Emissions from the SVE system are controlled using a biofilter contained within an approximate 20-foot by 8-foot steel roll-off box outfitted with perforated pipe. The biofilter contains an approximate 1-foot thick gravel layer at the base of the box overlain by approximately three feet of wood chip and compost filter medium, which allows the naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the SVE system. Operation of the SVE system is more fully described in Section 3.2.3.
- LNAPL recovery was completed using hydrocarbon absorbent socks and/or manual bailing at monitoring wells W7, W9, W10, W26, W27 and MW4 and a skimmer at W5. New LNAPL monitoring well W32 was installed in June 2016 near an unknown well-like subsurface structure that showed evidence of product; the unknown structure was grouted in-place and no measurable product has been observed in W32 since installation. Recovered LNAPL was transferred to properly labeled and sealed 55-gallon drums at the Site for future off-site disposal, which ultimately occurred in September 2016.
- Construction and maintenance of a Site cover system installed at the Site between August 2015 and September 2016 (see Figure 5).
- Execution and recording of an Environmental Easement to restrict land use to commercial/industrial operations and prevent future exposure to any contamination remaining at the Site. The Environmental Easement was recorded with the Cattaraugus County in June 2015.
- Development and implementation of an SMP for management of remaining contamination as required by the Environmental Easement, which includes plans for (1) institutional and engineering controls, (2) excavation, (3) monitoring and reporting, and (4) operation and maintenance.

2.3 Site Redevelopment Activities

Site improvements have occurred in previous reporting years. As shown on Figure 3, a 1.02-acre portion of the Site was conveyed to the City of Olean to be used as a public roadway (Jack Murphy Boulevard). The portion of the Site retained by HK Olean was developed into a hotel. The Site is otherwise undeveloped.

HK Olean Hotel, LLC redeveloped the Site with an approximately 15,766 square foot four-story hotel with associated parking, walkways, and landscaping. In accordance with the SMP, a soil vapor intrusion (SVI) evaluation was conducted in the building at the completion of hotel construction and prior to occupancy to evaluate if measures are required to mitigate potential vapor intrusion into the newly constructed building. Based on this assessment, no contaminants were detected above NYSDOH matrices, and no other contaminants were detected at concentrations requiring mitigation. Therefore, soil vapor intrusion was not identified within the Site building and no further action was recommended. Complete findings of the SVI assessment were submitted to the NYSDEC on May 12, 2021 and approved in a letter dated May 24, 2021.

3.0 SITE MANAGEMENT PLAN

The SMP was approved by the NYSDEC on November 10, 2016 and includes an IC/EC Plan, a Monitoring and Sampling Plan, an Operation & Maintenance (O&M) Plan, an Excavation Work Plan (EWP), and a copy of the Environmental Easement. A brief description of the components of the SMP is presented below.

3.1 IC/EC Plan

As detailed in the Environmental Easement, several IC/ECs need to be maintained as a requirement of the BCAs for the Site.

3.1.1 Institutional Controls

- Groundwater-Use Restriction: The use of groundwater for potable and non-potable purposes is prohibited.
- Land-Use Restriction: The controlled property may be used for commercial and/or industrial use.
- Implementation of the SMP: The O&M Plan and EWP must be followed.

3.1.2 Engineering Controls

- Vapor Mitigation: The HK Olean Hotel was constructed with an active sub-slab depressurization (ASD) system. Based on the SVI assessment, no further action was recommended, and the system was not turned on.
- SVE System: The SVE system was operated and monitored nearly continuously between November 2014 and May 2022 and continues to operate.
- LNAPL Recovery/Monitoring: LNAPL recovery and monitoring is performed monthly.
- Groundwater Monitoring: Annual groundwater monitoring was completed in June 2021.
- Cover System: The cover system is intact and functioning as intended (see Figure 5).

3.1.3 Site Inspection & IC/EC Compliance

On April 14, 2023, Benchmark's Certifying Professional Engineer performed a Site visit and assessment. No observable indication of intrusive activities, cover failure, or use of groundwater were noted during the Site inspection.

Appendix A includes the completed SMP PRR Notice - Institutional and Engineering Controls Certification Form. Appendix B includes photographs taken during the Site inspection.

3.2 Monitoring and Sampling Plan

The Monitoring and Sampling Plan specifies the methods used for:

- LNAPL monitoring and collection.
- Sampling and analysis of groundwater.
- Remedial SVE system monitoring.
- Site-wide inspection.
- Evaluating Site information periodically to confirm that the remedy continues to be effective in protecting public health and the environment.

3.2.1 LNAPL Monitoring/Recovery System

LNAPL is monitored in wells W5, W9, W10, W26, and W27. Removal of wells W-7A, W31, and W32 from the LNAPL monitoring list was approved by NYSDEC July 9, 2021. Table 1 presents a summary of the monthly LNAPL measurements for the period of July 17, 2014 through April 24, 2023. During this reporting period, 4 of the 5 wells had measurable levels of LNAPL but only well W9 had recoverable LNAPL (0.3 gallons). Since issuance of the COC, estimates of the quantity of LNAPL recovered are less than 1 gallon in well W10; 3 gallons in well W9; 1.5 gallons in well W27; approximately 10 gallons in well W26; and approximately 75 gallons in well W5.

LNAPL is recovered using hydrocarbon absorbent socks in all wells except well W5 where an oil/water skimmer is operated. The adsorbent socks are installed in the well at the LNAPL/water interface. During monthly inspections, socks that have obvious staining/ saturation of LNAPL are removed and replaced with new socks. There were sock change outs at wells W9, W-26, and W27 during the reporting period. The LNAPL recovered from well

W5 oil/skimmer operation is stored in a 55-gallon drum, which will be disposed off-site once full.

3.2.2 Groundwater Sampling and Analysis

During the August 1-2, 2022, groundwater sampling event, wells W3, W4, W7A, W30, and W31 were all analyzed for target compound list (TCL) volatile organic compounds (VOCs) and tentatively identified compounds (TICs) using USEPA Method 8260 and semi-volatile organic compounds (SVOCs) and TICs via USEPA Method 8270 and 8270-SIM. Wells W3, W4, and W32 were analyzed for total and dissolved arsenic using USEPA Method 6020. Appendix C includes field notes and the laboratory analytical data package from the 2022 groundwater sampling event.

3.2.2.1 Groundwater Elevations

The groundwater elevations in Table 2 were used to prepare an isopotential map for August 2022 (Figure 6). Overall groundwater flow direction in the uppermost sand and gravel aquifer is toward the southeast and southwest consistent with the prior groundwater contour maps. Well W11 was not located in August 2022 as field staff were unable to establish a satellite connection using the GPS Trimble and could not visually locate the well. A field staff manager completed a Site inspection on November 2, 2022 and was able to locate the well and marked it with paint marker ensuring it will be easily identifiable during the June 2023 groundwater monitoring event.

3.2.2.2 Analytical Data

Table 3 (VOCs and SVOCs) and Table 4 (metals) summarize the analytical data from the 2022 sampling event as well as historic data.

VOCs

The following minor exceedances of the NYSDEC Class GA groundwater quality standards/guidance values (GWQS/GVs) for VOCs were observed:

- Well W3: 1,2,4-trimethylbenzene at 6.1 ug/L; benzene at 18 ug/L; and total xylenes at 19.2 ug/L
- Well W4: 1,2,4-trimethylbenzene at 8.8 ug/L and chlorobenzene at 5.6 ug/L
- Well 7A: 1,4-dichlorobenzne at 4.4 ug/L; and chlorobenzene at 9.4 ug/L

VOC TICs were generally consistent with historical results.

SVOCs

The following minor exceedances of the NYSDEC Class GA GWQS/GVs for SVOCs were observed; all results were qualified as estimated:

- Well W4: benzo(a)anthracene at 0.26 ug/L; benzo(a)pyrene at 0.09 ug/L; benzo(b)fluoranthene at 0.17 ug/L; chrysene at 0.19 ug/L; and indeno(1,2,3-cd)pyrene
- Well W7A: benzo(a)anthracene at 0.12 ug/L
- Well W30: benzo(a)anthracene at 0.11 ug/L

SVOC TICs were generally consistent with historical results.

Metals

None of the three wells sampled exceeded its GWQS for total arsenic (25 ug/L).

3.2.3 SVE System and Monitoring

The SVE-1 system has been operating on the Olean Redevelopment Parcel 1 Site nearly continuously since March 2015 and is comprised of two main components:

1. The collection system is constructed of a series of vertical extraction wells and extraction well manifold piping.
2. The trailer-mounted mechanical SVE system, which consists of the blower, motors and ancillary equipment that generate the vacuum and move the extracted vapor to the biofilter treatment vessel.

One SVE blower is connected to a series of wells 1-SVE-1 through 1-SVE-7 (refer to Figure 7). The extracted air is conveyed through 6-inch PVC piping installed below grade and treated in a biofilter prior to discharge to the atmosphere. The biofilter treatment medium consists of a mixture of compost and mulch (approx. 50% each by weight). The natural bacteria in the biofilter use the organics in the waste stream as a source of energy. The biofilter medium is maintained in a slightly wet state and periodically mixed (fluffed-up). Biofilter media requires mixing when nuisance odors become an issue or a thick cake layer forms on top preventing proper venting; the top 4-6 inches of the biofilter media is mixed/raked to keep the media broken up and loose. This was last completed in April 2019 and has not been

required due to low effluent PID readings. Biofilter mixing events are recorded on Table D-1 in Appendix D.

On January 25, 2023, Olean Gateway, LLC submitted a Verification Soil Sampling (VSS) Work Plan to the Department. The Department approved the VSS Work Plan on February 21, 2023. Field work has not begun; however, Olean Gateway, LLC will provide the Department with 7 days' advance notice of the start of work.

3.2.3.1 Results

The SVE system has been successful in removing volatile organic vapors from the subsurface soil/fill. Appendix D includes a summary of monitoring data (Table D-1) and a graphic chart depicting cumulative mass of contaminant removed. The estimated mass of organic petroleum hydrocarbons removed by the system through April 2023 is approximately 6,469 pounds. The rate of VOC removal was initially over 20 pounds per day (lb/d) but was on average 0.6 lb/d during the 2022/2023 reporting period, which is consistent with the 2021/2022 reporting period.

Individual SVE well PID readings as well as the SVE system PID and vacuum readings were taken to confirm the system is running within specifications (refer to Table D-2 in Appendix D). During the reporting period, PID readings from the three operating SVE wells as well as the system influent increased in September 2022 but decreased in November and again in December 2022. During each system check, the following wells were running: 1-SVE-2, 1-SVE-3, and 1-SVE-7. Wells 1-SVE-1, 1-SVE-4, 1-SVE-5, and 1-SVE-6 have been turned off since June 13, 2019 to optimize the system. Turning off wells 1-SVE-1, -4, -5, and -6 with low PID readings allows the system to focus the vacuum at locations of higher PID readings.

The system influent air PID readings fluctuated between 8.3 and 44.2 ppm from June to December 2022, which is consistent with 2021/2022 system PID readings.

3.2.4 Site-Wide Inspection – Cover System Monitoring

The existing cover system is comprised of a minimum of 12 inches of clean soil (vegetated to prevent erosion), 12 inches of gravel/stone for the access roads, foundations, and hardscape associated with the newly constructed hotel. A demarcation layer, consisting of orange plastic mesh material, provides a visual reference to the top of the remaining contamination zone, which is the zone that requires adherence to special conditions for disturbance of remaining contaminated soils defined in this SMP.

In accordance with the SMP, the cover system must be maintained and replaced in the event it is breached as described in the EWP (SMP Appendix A). The cover will be inspected on an annual basis and following severe storm events. If frequent areas of distress are noted, they will be repaired. A summary of the key maintenance concerns and the respective corrective actions is provided below.

- Vegetative Soil Cover Monitoring:
  - *Areas where erosion problems (i.e., rills or gullies) are observed will be repaired by re-grading the localized area, adding the required fill material and/or topsoil, and reseeding/replanting.*
  - *If burrowing animals are observed breaching the soil cover, as evidenced by exposed fill material, they will be eradicated by a licensed exterminator.*

- Gravel/Stone Cover Monitoring:
  - *Ruts or erosion along the access roads will be repaired by re-grading the localized area and adding additional material.*

At the time of the 2023 Site inspection, the cover systems were intact and functioning as intended. Appendix B provides photographic documentation of Site conditions at the time the inspection.

3.2.5 Discussion of Monitoring Results

The amount of LNAPL present in well W10 has decreased since the completion of the remediation (October 2016), specifically during the last six reporting periods where no LNAPL has been recovered, except on December 17, 2020 when 0.1 gallon was removed from the well. No measurable product was present in well W5 during the 2022/2023 reporting period. During the 2022/2023 reporting period 0.3 gallons of product were removed from well W9. Wells W26 and W27 had measurable product but no recovered product during the 2022/2023 reporting period. The last date product was recovered from well W26 was December 17, 2020 and from well W27 was December 20, 2018.

The groundwater in wells W30 and W31 meets NYSDEC GWQS/GVs for VOCs and SVOCs except for one SVOC at well W30. Five VOCs were detected at concentrations above GWQSs/GVs; specifically, three VOCs in well W3, two VOCs in well W4, and two VOCs in well 7A exceeded GWQS/GVs. Five SVOCs were detected at concentrations above GWQSs/GVs; specifically, five SVOCs in well W14, one SVOC in well W7A, and one SVOC in well W30. All monitoring wells met the GWQS for arsenic.

The SVE system has been effective in removing organics vapors from the vadose zone; however, the system has reached an asymptotic removal rate. Historic VOC concentrations in the SVE intake air indicate an overall reduction of 99%. At the time of the Site inspection, the cover systems were intact and functioning as intended.

3.3 Operation & Maintenance Plan

The O&M Plan addresses operation and maintenance for the SVE systems.

3.3.1 SVE System

3.3.1.1 Routine System Operation and Maintenance

The SVE system is designed to require little maintenance over the expected duration of use at the Olean Redevelopment Parcel 1 Site. The blower bearing housing is oil-filled and checked once per month. If the level is below the overflow, SAE 40 weight oil is added through the top fill port on the housing. Grease fittings for the blower shaft are topped off periodically (i.e., every 2 months).

3.3.1.2 System Monitoring Devices and Alarms

Monitored system operating conditions that trigger a local (red panel light) and remote (common autodialer channel) alarm condition include low air vacuum, high air pressure, moisture separator tank high level, condensate tank high level, and heater/exhaust fan failure. Except for heater/exhaust fan failure, these alarm conditions automatically shut down the SVE system. A trailer entry (security) relay also triggers local and remote alarms but does not cause system shutdown. Blower and condensate pump failure (e.g., due to thermal overload, power loss, or manual shut down) also triggers the autodialer. If the SVE system alarm is activated, the autodialer will contact Benchmark. Based on the alarm fault, Benchmark will respond and/or contact the appropriate repair vendor (e.g., electrician, mechanical repair service).

There were no operational problems with the SVE systems that required a change in system operation and/or temporary system shutdown for longer than one week during the reporting period.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

- Based on our observations during the April 14, 2023 inspection, the Site covered by this PRR was fully compliant with the IC/EC requirements.
- VOC concentrations in wells W3, W4, and W7A slightly exceeded GWQSs. SVOC concentrations in wells W14, W7A, and W30 slightly exceeded GWQSs (at estimated concentrations). None of the wells exceeded the GWQS for arsenic during the 2022 sampling.
- LNAPL was only recovered from 1 of the 5 monitored wells during the reporting period and the presence of LNAPL has significantly decreased over time.
- The rate of removal with the SVE system has decreased from approximately 22 lb/d during the initial mass removal period to an average of approximately 0.6 lb/d during the 2022/2023 reporting period. During the reporting period, PID readings from the three operating SVE wells as well as the system influent increased in September 2022 but decreased in November and again in December 2022.

4.2 Recommendations

Olean Gateway LLC intends to complete the SVE system verification soil sampling in June or July 2023 and will submit a letter report summarizing the findings and request for SVE system discontinuance in accordance with the SMP.

The next annual groundwater monitoring event will be completed in June 2023.

5.0 DECLARATION/LIMITATION

Benchmark Civil/Environmental Engineering & Geology, PLLC personnel conducted the annual Site inspection for BCP Site No. C905031 in Olean, New York, according to generally accepted practices. This PRR complies with the scope of work provided to Olean Gateway LLC by Benchmark Civil/Environmental Engineering & Geology, PLLC.

This PRR has been prepared for the exclusive use of Olean Gateway LLC. The contents of this PRR are limited to information available at the time of the Site inspection. The findings herein may be relied upon only at the discretion of Olean Gateway LLC. Use of or reliance upon this PRR or its findings by any other person or entity is prohibited without written permission of Benchmark Civil/Environmental Engineering & Geology, PLLC.

6.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10/Technical Guidance for Site Investigation and Remediation.* May 2010.
2. TurnKey Environmental Restoration, LLC. *Remedial Action Work Plan, Olean Redevelopment Property, Olean, New York, BCP Site Nos. 905031, 905032 & 905033.* March 2014.
3. Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC. *Site Management Plan, Olean Redevelopment Parcel 1, Olean, New York, BCP Site No. C915031.* November 2016
4. Benchmark Environmental Engineering & Science, PLLC in association with TurnKey Environmental Restoration, LLC. *Final Engineering Report, Olean Redevelopment Parcel 1, Olean, New York, BCP Site No. C915031.* November 2016.
5. Woodard & Curran. *Interim Remedial Measures Work Plan, ExxonMobil, Buffalo Street Properties, Olean, New York.* September 30, 2009.
6. Woodard & Curran. *Interim Remedial Measure Report, Olean Redevelopment Parcels 1, 2, and 3, Olean, New York.* March 2011.

TABLES

Table 1
LNAPL System Inspection Log
Olean Redevelopment Site 1 (C905031)
Olean, New York

Date	Inspector's Initials	W5						W9						W10						W-26						W27					
		Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Accumulated Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)
7/17/14	SF	Y	15.19	17.72	2.53	0	N	Y	18.22	18.45	0.23	0	NA	Y	18.87	18.88	0.01	0	N							Y	19.12	19.12	Trace	0	N
10/17/14	JJR	Y	16.72	21.14	4.42	0	N	Y	20.79	21.02	0.23	0	NA	Y	21.35	21.4	0.05	0	Removed							Y	21.57	21.81	0.24	0	N
10/28/14	JJR	Y	Pre 17.01	Pre 20.75	3.74	2.75	Removed	Y	20.92	21.13	0.21	0	NA	Y	21.42	22.31	0.89	0.25	NA							Y	20.65	20.89	0.24	0	Removed
			Post 18.35	Post 18.60	0.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--							--	--	--	--	--	--
11/5/14	JJR	Y	16.98	21.5	4.52	4.5	NA	Y	21.16	21.62	0.46	0.25	Removed	Y	21.41	22.17	0.76	0.25	NA							Y	21.86	21.9	0.04	0	NA
11/13/14	JJR	Y	16.75	20.67	3.92	8	NA	Y	20.78	20.92	0.14	0	NA	Y	21.32	21.91	0.59	0.25	NA							Y	21.22	21.41	0.19	0	NA
12/15/14	JJR	Y	15.87	20.92	5.05	12.5	NA	Y	19.92	21.14	1.22	0.75	NA	Y	20.66	20.82	0.16	0	NA							Y	20.52	21.12	0.6	0	NA
1/15/15	JJR	Y	15.56	17.26	1.7	13.75	NA	Y	19.04	21.02	1.98	0.75	NA	Y	19.82	19.98	0.16	0	NA							Y	19.44	19.72	0.28	0	NA
2/27/15	BMG	Y	17.17	19.8	2.63	15.75	NA	Y	20.64	20.95	0.31	0	Y	Y	21.2	21.34	0.14	0	Y							Y	21.24	21.54	0.3	0	Y
3/11/14	BMG	Y	17.45	18.57	1.12	16.55	NA	--	--	--	--	--	--	--	--	--	--	--	--							--	--	--	--	--	--
3/18/15	BMG	Y	17.57	18.14	0.57	17.35	NA	--	--	--	--	--	--	--	--	--	--	--	--							--	--	--	--	--	--
4/6/15	BMG	Y	13.87	14.2	0.33	18.85	NA	Y	18.25	18.9	0.65	1.3	Y	Y	18.92	18.96	0.04	0	Y							Y	18.77	19.03	0.26	1	Y
7/2/15	BMG	Y	15.21	15.95	0.74	19.85	NA	Y	18.7	18.8	0.1	0.01	Y	Y	17.78	17.85	0.07	0	Y							Y	19.07	19.11	0.04	0	Y
9/3/15	PWW	Y	19.57	21.11	1.54	20.85	NA	Y	20.97	21.2	0.23	0.25	N	Y	21.6	21.8	0.2	0	N	Y	20.25	20.98	0.73	0	NA	Y	21.26	21.36	0.1	0	N
9/29/15	PWW	Y	17.29	19.41	2.12	22.35	NA	Y	21.24	21.3	0.06	0	N	Y	21.81	22.31	0.5	0	Y	Y	20.65	21	0.35	0.25	N	Y	21.69	21.91	0.22	0	Y
10/14/15	PWW	Y	17.91	19.01	1.1	23.05	N	Y	20.84	20.85	0.01	0	N	Y	21.41	21.6	0.19	0	N	Y	20.17	20.61	0.44	0.25	N	Y	21.19	21.44	0.25	0	N
10/28/15	ML	Y	17.09	18.26	1.17	23.3	N	Y	20.77	20.8	0.03	0	N	Y	21.44	21.45	0.01	0	N	Y	19.97	20.33	0.36	1	N	Y	20.82	21.13	0.31	0	N
11/11/15	ML	Y	20.34	22.5	2.16	25.3	N	Y	22.89	22.9	0.01	0	N	Y	20.95	21	0.05	0	N	Y	19.68	20.11	0.43	0.25	N	Y	20.91	21.22	0.31	0	N
11/24/15	ML	Y	16.47	18.96	2.49	26.55	N	Y	20.01	20.07	0.06	0	N	Y	20.66	20.68	0.02	0	N	Y	19.41	20.97	1.56	0.25	N	Y	20.75	21.02	0.27	0	N
12/9/15	ML	Y	16.07	18.13	2.06	27.55	N	Y	19.81	20.04	0.23	0	N	Y	20.45	20.57	0.12	0	N	Y	19.16	19.58	0.42	0.25	N	Y	20.35	20.62	0.27	0	N
12/22/15	ML	Y	16.06	18.16	2.1	28.55	N	Y	19.69	19.77	0.08	0	N	Y	20.4	20.44	0.04	0	N	Y	19.11	19.32	0.21	0.13	N	Y	20.26	20.34	0.08	0	N
1/5/16	ML	Y	18.36	21.83	3.47	30.05	N	y	18.3	18.31	0.01	0	N	Y	19.69	19.71	0.02	0	N	Y	17.98	18.09	0.11	0	Y	Y	19.28	19.48	0.2	0	N
2/2/16	ML	Y	15.4	19.53	4.13	31.95	N	Y	19.01	19.02	0.01	0	N	Y	19.61	19.62	0.01	0	N	Y	18.66	18.82	0.16	0	N	Y	19.88	20.03	0.15	0	N
3/1/16	ML	Y	14.54	19.47	4.93	33.7	N	N	NA	18.35	NA	0	N	Y	18.95	18.96	0.01	0	N	Y	17.97	18.41	0.44	0	N	Y	19.16	19.23	0.07	0	N
4/12/16	BG	Y	18.63	23.2	4.57	37.2	N	Y	18.78	18.8	0.02	0	Y	Y	19.55	19.56	0.01	0	Y	Y	18.18	19.1	0.92	0.5	N	Y	19.65	19.68	0.03	0	Y
5/4/16	ML	Y	18.23	21.38	3.15	38.7	N	Y	18.56	18.57	0.01	0	N	Y	19.12	19.16	0.04	0	N	Y	18.14	18.73	0.59	0.25	N	Y	19.12	19.22	0.1	0	N
6/2/16	ML	Y	19.41	21.69	2.28	39.7	N	Y	19.74	19.76	0.02	0	N	Y	20.26	20.29	0.03	0	N	Y	19.24	19.74	0.5	0.25	N	Y	20.37	20.47	0.1	0	N
7/6/16	BMG	Y	20.57	22.38	1.81	41.2	NA	Y	21.1	21.21	0.11	0.05	Y	Y	21.74	21.8	0.06	0.05	Y	Y	20.45	20.86	0.41	0.25	Y	Y	21.6	21.91	0.31	0.25	Y
8/1/16	BMG	Y	25.59	25.59	0	44.2	NA	Y	21.99	22.05	0.06	0.05	Y	Y	22.57	22.95	0.38	0.05	Y	Y	21.25	21.55	0.3	0.05	Y	Y	22.55	22.55	0	<0.1	Y
9/14/16	BMG	Y	26.11	26.19	0.08	46.2	NA	Y	22.52	22.65	0.13	0.05	Y	Y	23.33	23.35	0.02	0.05	Y	Y	21.7	21.85	0.15	0.05	Y	Y	23.17	23.17	0	<0.1	Y
10/27/16	BMG	Y	23.25	25.57	2.32	48.2	NA	N	NA	19.81	0	0	N	N	NA	20.44	0	0	N	Y	19.22	19.38	0.16	0.05	Y	N	NA	20.65	0	0	N
11/22/16	BMG	Y	23.9	24.15	0.25	3	NA	Y	20.15	20.28	0.13	0.05	Y	N	NA	20.67	0	0	N	Y	19.7	19.73	0.03	0.05	Y	N	NA	21.08	0	0	N
12/21/16	BMG	Y	23.07	23.75	0.68	5	NA	N	19.5	19.65	0	0.05	Y	N	NA	20.15	0	0	N	N	NA	18.96	0	0	N	N	NA	20.28	0	0	N
1/5/17	BMG	Y	22.28	23.15	0.87	10	NA	N	NA	18.42	0	0	N	N	NA	19.03	0	0	N	N	NA	18.03	0	0	N	N	NA	19.29	0	0	N
2/14/17	BMG	Y	20.9	21.08	0.18	19	NA	N	NA	17.09	0	0	N	N	NA	17.64	0	0	N	N	NA	16.83	0	0	N	N	NA	17.45	0	0	N
3/28/17	BMG	Y	21.9	21.91	0.01	23	NA	N	NA	18.25	0	0	N	N	NA	18.77	0	0	N	N	NA	18.03	0	0	N	N	NA	18.56	0	0	N
4/11/17	BMG	Y	22.47	22.52	0.05	25	NA	N	NA	17.5	0	0	N	N	NA	18.07	0	0	N	N	NA	17.32	0	0	N	N	NA	18.11	0	0	N
5/30/17	BMG	Y	21.96	22.2	0.24	27	NA	N	NA	18.5	0	0	N	N	NA	19.01	0	0	N	N	NA	18.23	0	0	N	N	NA	18.92	0	0	N
6/28/17	BMG	Y	22.91	22.91	0	29	NA	Y	19.51	19.55	0.04	0.05	Y	N	NA	19.18	0	0	N	N	NA	19.18	0	0	N	N	NA	19.99	0	0	N
7/24/17	BMG	Y	23.57	23.59	0.02	31	NA	Y	20.3	20.37	0.05	0.05	Y	N	NA	20.86	0	0	N	N	NA	19.88	0	0	N	N	NA	20.7	0	0	N
8/9/17	CFD	Y	24.2	24.22	0.02	33	NA	Y	21.0	21.01	0.01	0.05	Y	N	NA	21.59	0	0	N	N	NA	20.53	0	0	N	N	NA	21.57	0	0	N
9/26/17	CFD	N	NA	25.1	0	35	NA	Y	21.66	21.8	0.14	0.25	Y	Y	22.42	22.6	0.18	0.3	Y	N	NA	21.35	0	0	N	N	NA	22.56	0	0	N
10/26/17	CFD	N	NA	25.64	0	37	NA	Y	22.02	22.07	0.05	0.1	Y	Y	23.74	23.77	0.03	0.2	Y	N	NA	21.47	0	0	N	Y	22.8	22.82	0.02	0.05	Y
11/20/17	CFD	N	NA	24.68	0	45	NA	N	NA	21.55	0	0	N	Y	21.89	21.95	0.06	0.25	Y	N	NA	20.56	0	0	N	N	NA	21.62	0	0	N
12/26/17	CFD	N	NA	23.74	0	See Note This Date	NA	N	NA	19.87	0	0	N	N	NA	20.45	0	0	N	N	NA	20.21	0	0	N	Y	20.55	20.58	0.03	0.1	Y
1/25/18	CFD	Y	21.06	21.1	0.04	53	NA	N	NA	18.28	0	0	N	N	NA	18.93	0	0	N	N	NA	18.1	0	0	N	Y	19.07	19.12	0.05	0.5	Y
2/15/18	CFD	Y	22.55	22.56	0.01	54.23	NA	N	NA	18.52	0	0	Y	N	NA	19.12	0	0	N	N	NA	18.3	0	0	N	N	NA	18.55	0	0	N
3/12/18	CFD	Y	21.56	21.58	0.02	57.2	NA	Y	17.62	17.64	0.02	0.1	Y	N	NA	18.15	0	0	N	N	NA	17.39	0	0	N	Y	17.8	17.83	0.03	0.15	Y
4/28/18	CFD	Y	21.15	21.19	0.04	59.7	NA	Y	17.69	17.71	0.02	0.1	Y	N	NA	18.21	0	0	N	Y	17.4	17.46	0.06	0.2	Y	Y	17.8	17.85	0.05	0.2	Y
5/24/18	CFD	N	NA	22.23	0	60.3	NA	Y	18.34	18.4	0.06	0.3	Y	N	NA	19.18	0	0	N	N	NA	17.91	0	0	N	N	NA	18.23	0	0	N
6/28/18	CFD	Y	22.57	22.62	0.05	60.9	NA	Y	18.12	18.15	0.03	0.1	Y	N	NA	20.62	0	0	N	Y	18.65	18.7	0.05	0.1	Y	Y	19.37	19.4	0.03	0.2	Y
7/17/18	CFD	N	NA	24.36	0	61.4	NA	Y	20.52	20.65	0.13	0.25	Y	N	NA	21.17	0	0	N	Y	20.12	20.15	0.03	0.1	Y	Y	21.04	21.1	0.06	0.2	Y
8/11/18	CFD	N	NA	22.79	0	61.7	NA	N	NA	20.61	0	0	N	N	NA	21.06	0	0	N	N	NA	19.89	0	0	N	N	NA	20.91	0	0	N
9/24/18	CFD	N	NA	23.84	0	62	NA	Y	19.94	19.96	0.02	0.1	Y	N	NA	20.56	0	0	N	Y	19.45	19.46	0.01	0.05	Y	N	NA	20.25	0	0	N
10/15/18	CFD	N	NA	23.05	0	63.7	NA	Y	19.09	19.11	0.02	0.1	Y	N	NA	19.72	0	0	N	N	NA	18.77	0	0	N	N	NA	19.41	0	0	N
11/29/18	CFD	N	NA	24.74	0	64	NA	Y	19.23	19.27	0.04	0.1	Y	N	NA	19.34	0	0	N	N	NA	19.14	0	0	N	N	NA	19.27	0	0	N
12/20/18	CFD	N	NA	22.34	0	64	NA	Y	18.43	18.44	0.01	0.1	Y	N	NA	19.04	0	0	N	Y	18.5	18.53	0.03	0.2	Y	Y	19.14	19.17	0.03	0.1	Y
1/21/19	CFD	N	NA	20.71	0	64	NA	Y	17.26	17.3	0.04	0.2	Y	N	NA	17.84	0	0	N	Y	17.72	17.79	0.07	0.2	Y	N	NA	17.52	0	0	N
2/13/19	CFD	N	NA	20.3	0	64.5	NA	N	NA	17.14	NA	0	Y	N	NA	17.67	0	0	Y	Y	17.24	17.55	0.31	0.5	Y	N	NA	17.12	0	0	N
3/21/19	CFD	N	NA	21.51	0	65.5	NA	N	NA	18.21	NA	0	N	N	NA	18.76	0	0	Y	Y	17.61	17.9	0.29	0.5	Y	N	NA	18.38	0	0	N
4/24/19	CFD	Y	22.07	22.09	0.02	66	NA	N	NA	18.75	NA	0	N	N	NA	19.3	0	0	N	Y	18.4	19.4	1	2.25	Y	N	NA	19.1	0	0	N
5/24/19	CFD	N	NA	21.59	0	68	NA	N	NA	18.52	NA	0	N	N	NA	19.01	0	0	N	Y	18.92	19.14	0.22	2	Y	N	NA	18.94	0	0	N
6/21/19	CFD	N	NA	21.25	0	70	NA	N	NA	18.27	NA	0	N	N	NA	18.47	0	0	N	Y	18.45	18.82	0.37	1.5	Y	N	NA	18.67	0	0	N
7/30/19	CFD	N	NA	22.07	0	70.25	NA	Y	19.56	19.6	0.04	0.1	N	N	NA	19.6	0	0	N	Y	18.7	18.95	0.25	0.5	Y	N	NA	19.68	0	0	N
8/23/19	CFD	N	NA	21.74	0	70.25	NA	Y	19.6	19.62	0.02	0.1	N	N	NA	19.93	0	0	N	Y	18.73	18.9	0.17	0.75	Y	N	NA	19.7	0	0	N
9/30/19	CWE	N	NA	24.04	0	70.25	NA	Y	21.15	21.41	0.26	0.1	N	N	NA	21.75	0	0	N	Y	20.61	20.7	0.09	0	N	N	21.9	21.91	0.01	0	N
10/31/19	CWE	N	NA	24.75	0	70.25	NA	Y	21.25	21.45	0.2	0	N	N	NA	21.76	0	0	N	Y	20.65	20.95	0.3	0	N	N	21.45	21.48	0.03	0	N
11/25/19	CWE	N	NA	23.75	0	70.25	NA	Y	20.45	21.91	0.04	0	N	N	NA	21.03	0	0	N	Y	20.85	20.99	0.14	0	Y	N	20.75	21.2	0.45	0	N
12/30/19	CWE	N	NA	23.31	0	70.25	NA	Y	19.88	19.95	0.07	0	N	N	NA	20.1	0	0	N	Y	19.01	19.5	0.49	0	Y	N	19.51	19.7	0.19	0	N

BENCHMARK

Table 1
LNAPL System Inspection Log
Olean Redevelopment Site 1 (C905031)
Olean, New York

Date	Inspector's Initials	W5						W9						W10						W-26						W27					
		Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Accumulated Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)	Product Present? (Y / N)	Product Depth (fbTOR)	Water Level (fbTOR)	Product Level in Feet	Volume Recovered in Gallons	Change Absorbent Sock? (Y/N)
1/30/20	CWE	N	NA	21.9	0	70.25	NA	Y	18.61	18.74	0.13	0	N	N	NA	19.1	0	0	N	Y	18.12	18.7	0.58	0.1	N	N	NA	18.9	0	0	N
2/27/20	CWE	N	NA	20.5	0	70.25	NA	Y	17.7	17.8	0.1	0	N	N	NA	18.1	0	0	N	Y	17.3	17.5	0.2	0	N	N	NA	17.65	0	0	N
3/30/20	CWE	N	NA	20.9	0	70.25	NA	Y	17.65	17.68	0.03	0	N	N	NA	18.15	0	0	N	Y	17.3	17.63	0.33	0	N	N	NA	17.99	0	0	N
4/27/20	CWE	N	NA	21.0	0	70.25	NA	Y	18.1	18.5	0.4	0	N	N	NA	18.2	0	0	N	Y	17.4	18.8	1.4	0.75	N	Y	18.3	18.4	0	0	N
5/28/20	CWE	N	NA	21.61	0	71.25	NA	N	18.41	18.49	0.08	0	N	N	NA	18.95	0	0	N	Y	17.92	18.81	0.89	0	N	N	NA	18.79	0	0	N
6/29/20	CWE	N	NA	22.80	0	71.25	NA	N	19.51	19.75	0.24	0	N	N	NA	20.15	0	0	N	Y	19.01	20.20	1.19	0.25	N	N	NA	19.99	0	0	N
7/31/20	CWE	N	NA	23.33	0	71.25	NA	Y	20.60	20.72	0.12	0	N	N	NA	21.00	0	0	N	Y	19.92	20.41	0.49	0	N	N	NA	20.80	0	0	N
8/31/20	CWE	N	NA	24.80	0	71.25	NA	Y	21.75	21.84	0.09	0	N	N	NA	22.20	0	0	N	Y	20.95	21.19	0.24	0	N	Y	22.10	22.19	0.09	0	N
9/28/20	CWE	N	NA	22.50	0	71.25	NA	Y	22.20	22.50	0.3	0	N	N	NA	22.97	0	0	N	Y	21.55	21.89	0.34	0	N	Y	22.65	22.78	0.13	0	N
10/29/20	CWE	N	NA	26.06	0	71.25	NA	Y	22.41	22.51	0.1	0	N	Y	22.79	23.06	0.27	0	N	Y	21.72	22.00	0.28	0	N	Y	23.01	23.20	0.19	0	N
11/25/20	CWE	N	NA	25.50	0	71.25	NA	Y	21.99	22.01	0.02	0	N	N	NA	22.61	0	0	N	Y	24.10	24.51	0.41	0	N	Y	22.24	22.30	0.06	0	N
12/17/20	CFD	Y	24.88	24.90	0.02	71.25	NA	Y	19.96	20.10	0.14	0.25	N	Y	22.19	22.20	0.01	0.1	N	Y	21.41	21.60	0.19	0.25	N	Y	22.08	22.15	0.07	0	N
1/21/21	CWE	N	NA	23.10	0	75.25	NA	Y	19.95	20.00	0.05	0	N	N	NA	20.55	0	0	N	Y	19.49	19.69	0.2	0	N	Y	20.10	20.31	0.21	0	N
2/25/21	CWE	N	NA	24.75	0	75.25	NA	Y	21.03	21.23	0.2	0	N	N	NA	21.51	0	0	N	Y	20.59	20.80	0.21	0	N	Y	21.59	21.65	0.06	0	N
3/25/21	CWE	N	NA	23.51	0	75.25	NA	Y	20.14	20.21	0.07	0	N	N	NA	20.73	0	0	N	Y	19.56	19.70	0.14	0	N	Y	20.34	20.61	0.27	0	N
4/12/21	CWE	N	NA	23.15	0	75.25	NA	Y	19.75	19.87	0.12	0	N	N	NA	20.25	0	0	N	Y	19.21	19.40	0.19	0	N	Y	20.05	21.00	0.95	0	N
5/20/21	CWE	N	NA	22.45	0	75.25	NA	Y	19.20	19.34	0.14	0	N	N	NA	19.76	0	0	N	Y	18.71	18.82	0.11	0	N	Y	19.51	19.65	0.14	0	N
6/27/21	CWE	N	NA	23.09	0.02	75.25	NA	Y	19.90	19.99	0.09	0	N	N	NA	20.51	0	0	N	Y	19.45	19.51	0.06	0	N	Y	19.54	19.60	0.06	0	N
7/29/21	CWE	N	NA	21.22	0	75.25	NA	Y	17.99	18.00	0.01	0	N	N	NA	18.40	0	0	N	Y	17.61	17.82	0.21	0	N	Y	18.01	18.12	0.11	0	N
8/30/21	CWE	N	NA	22.23	0	75.25	NA	Y	19.00	19.21	0.21	0	N	N	NA	19.55	0	0	N	Y	18.51	18.69	0.18	0	N	Y	19.22	19.31	0.09	0	N
9/30/21	CWE	N	NA	23.10	0	75.25	NA	Y	19.72	19.80	0.08	0	N	N	NA	20.35	0	0	N	Y	19.19	19.23	0.04	0	N	Y	20.17	20.20	0.03	0	N
10/28/21	CWE	N	NA	23.34	0	75.25	NA	Y	19.65	19.79	0.14	0	N	N	NA	20.30	0	0	N	Y	19.15	19.24	0.09	0	N	Y	21.06	21.11	0.05	0	N
11/29/21	CWE	N	NA	22.86	0	75.25	NA	Y	19.35	19.49	0.14	0	N	N	NA	19.90	0	0	N	Y	18.89	19.01	0.12	0	N	Y	19.65	19.71	0.06	0	N
12/29/21	CWE	N	NA	22.29	0	75.25	NA	Y	18.90	19.19	0.29	0	N	N	NA	19.45	0	0	N	Y	18.45	18.69	0.24	0	N	Y	19.00	19.19	0.19	0	N
1/24/22	CWE	N	NA	22.10	0	75.25	NA	Y	18.89	19.20	0.31	0	N	N	NA	19.55	0	0	N	Y	18.51	18.60	0.09	0	N	Y	19.15	19.21	0.06	0	N
2/14/22	CWE	N	NA	23.22	0	75.25	NA	Y	19.67	19.89	0.22	0	N	N	NA	20.22	0	0	N	Y	19.11	19.32	0.21	0	N	Y	20.00	20.34	0.34	0	N
3/21/22	CWE	N	NA	19.56	0	75.25	NA	Y	16.75	16.92	0.17	0	N	N	NA	17.25	0	0	N	Y	16.58	16.81	0.23	0	N	Y	17.01	17.19	0.18	0	N
4/26/22	CWE	N	NA	21.45	0	75.25	NA	Y	17.75	17.82	0.07	0	N	N	NA	18.25	0	0	N	Y	17.50	17.65	0.15	0	N	Y	18.12	18.20	0.08	0	N
5/31/22	CWE	N	NA	22.25	0	75.25	NA	Y	18.85	18.93	0.08	0	N	N	NA	19.42	0	0	N	Y	18.45	18.59	0.14	0	N	Y	19.12	19.24	0.12	0	N
6/30/22	CWE	N	NA	23.12	0	75.25	NA	Y	19.97	20.10	0.13	0	N	N	NA	20.51	0	0	N	Y	19.49	19.53	0.04	0	Y	Y	20.35	20.37	0.02	0	Y
7/28/22	CWE	N	NA	24.34	0	75.25	NA	N	NA	21.08	0	0	N	N	NA	21.65	0	0	N	N	NA	20.49	0	0	N	N	NA	21.32	0	0	N
8/29/22	CWE	N	NA	25.35	0	75.25	NA	Y	21.88	21.90	0.02	0	N	N	NA	22.45	0	0	N	N	NA	21.22	0	0	N	N	NA	22.25	0	0	N
9/29/22	CWE	N	NA	24.96	0	75.25	NA	Y	21.45	21.47	0.02	0	N	N	NA	21.96	0	0	N	N	NA	20.91	0	0	N	N	NA	21.80	0	0	N
10/31/22	CWE	N	NA	25.05	0	75.25	NA	Y	21.72	21.76	0.04	0	N	N	NA	22.33	0	0	N	N	NA	21.09	0	0	N	N	NA	22.00	0	0	N
11/28/22	CWE	N	NA	24.45	0	75.25	NA	Y	20.85	20.89	0.04	0	N	N	NA	21.32	0	0	N	Y	NA	20.33	0	0	N	Y	NA	21.29	0	0	N
12/29/22	CWE	N	NA	23.11	0	75.25	NA	Y	19.79	19.82	0.03	0	N	N	NA	20.52	0	0	N	Y	NA	19.21	0	0	N	Y	NA	20.15	0	0	N
1/23/23	CWE	N	NA	21.85	0	75.25	NA	Y	18.49	18.51	0.02	0	N	N	NA	18.98	0	0	N	Y	NA	17.85	0	0	N	Y	NA	18.85	0	0	N
2/9/23	CWE	N	NA	21.79	0	75.25	NA	Y	18.65	19.00	0.35	0.05	Y	N	NA	19.19	0	0	N	Y	NA	18.19	0	0	N	Y	NA	18.71	0	0	N
3/21/23	CWE	N	NA	21.35	0	75.25	NA	Y	18.45	19.00	0.55	0.09	N	N	NA	18.69	0	0	N	Y	NA	17.79	0	0	N	Y	NA	18.45	0	0	N
4/24/23	CWE	N	NA	21.71	0	75.25	NA	Y	18.44	19.31	0.87	0.25	Y	N	NA	19.00	0	0	N	Y	18.01	18.02	0.01	0	N	Y	NA	18.97	0	0	N
Quantity of LNAPL Recovered Since COC						75.25 gal						3.0 gal						0.9 gal						10.3 gal						1.5 gal	
Quantity of LNAPL Recovered in Reporting Period						0.0 gal						0.3 gal						0.0 gal						0.0 gal						0.0 gal	

Notes:

DTP = Depth to product; DTW = Depth to water; NM = Not measured; NA = Not applicable

Shaded cells are data collected pre-remediation. All other data occurred post-remediation.

Date	
9/3/15	Identified LNAPL in well W26 for first time.
9/29/15	Confirmed LNAPL present. Ordered sock for well W26 to be placed once received.
10/14/15	Existing riser is 3.6 feet above surveyed riser.
1/5/16	Installed sock in well W-26
8/1/16	Automated skimmer installed in well W-5, riser extended 7.32 feet above surveyed riser.
9/14/16	W32 DTP = 22.96'; DTW = 22.97.
10/27/16	W32 DTP = 20.21'; DTW = 20.21'. W31 and W7A HAVE NO PRODUCT.
11/22/16 to 4/11/17	W32, W31, W7A no LNAPL detected
12/26/17	55 gallons of LNAPL collected in "old" drum, started new drum.
12/6/19	1 Drum of LNAPL left site for Disposal.

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TABLE 2

GROUNDWATER MONITORING WELL WATER LEVELS
PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
OLEAN, NEW YORK

Well	BCP Site No.	Purpose of Well	Top of Riser (TOR) Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	Liquid Elevation (ft)	Depth to Water (ft)	Liquid Elevation (ft)	Depth to Water (ft)	Liquid Elevation (ft)	Depth to Water (ft)	Liquid Elevation (ft)	Depth to Water (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Liquid Elevation (ft)
				8/25/2012			7/17 & 18/2014			12/15 & 17 & 18/2014			4/14/2015			9/2/2015 & 9/3/2015		8/9/2016		12/14/2016		5/16 to 5/18/17		12/20 to 12/22/17		6/13/2018			12/19 to 12/20/18			7/9 to 7/10/19			6/16 to 6/18/20			6/27/2021			8/1/2022		
WCMW-15	1	GWQM	1429.28	21.95	0	1407.33	--	--	--	--	--	--	17.88	0	1411.40	21.60	1407.68	22.81	1406.47	--	--	18.11	1411.17	20.68	1408.60	19.75	1409.53	17.28	0	1412.00	18.17	0	1411.11	19.72	0	1409.56	20.50	0	1408.78	21.61	0	1407.67
W3	1	GWQM	1424.64	17.81	0	1406.83	15.17	0	1409.47	16.39	0	1408.25	14.15	0	1410.49	17.66	1406.98	18.75	1405.89	--	--	14.66	1409.98	16.95	1407.69	16.00	1408.64	14.95	0	1409.69	--	--	--	16.05	0	1408.59	16.61	0	1408.03	17.75	0	1406.89
W4	1	GWQM	1425.06	18.57	0	1406.49	--	--	--	--	--	--	--	--	--	See Note 1	--	19.40	1405.66	--	--	15.37	1409.69	buried		16.65	1408.41	15.61	0	1409.45	--	--	--	16.71	0	1408.35	17.25	0	1407.81	18.40	0	1406.66
W5	1	LNAPL	1432.25	20.41	3.1	1407.23	17.72	2.53	1409.41	20.92	5.05	1408.40	--	--	--	21.11	1405.05	--	--	--	--	--	--	--	--	--	--	20.97	0	1411.28	--	--	--	22.39	0	1409.86	23.09	0.02	1409.18	24.36	0.03	1407.92
W7A	1	LNAPL	1425.25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.75	0	--	16.08	0	--	16.96	0	1408.29	17.54	0	1407.71	18.63	0	1406.62
W9	1	LNAPL	1428.75	21.50	0.15	1407.38	--	--	--	--	--	--	--	--	--	21.20	1407.75	--	--	--	--	--	--	--	--	--	--	17.83	0	1410.92	18.16	0	1410.59	19.10	0	1409.65	20.14	0.24	1408.82	21.11	0.11	1407.74
W10	1	LNAPL	1429.39	22.70	0.85	1407.43	18.88	0.01	1410.52	20.82	0.16	1408.71	--	--	--	21.80	1407.76	--	--	--	--	--	--	--	--	--	--	18.24	0	1411.15	18.70	0	1410.69	19.70	0	1409.69	20.41	0	1408.98	21.61	0	1407.78
W11	1	GWQM	1426.61	20.14	0	1406.47	17.32	0	1409.29	18.57	0	1408.04	16.41	0	1410.20	19.98	1406.63	20.84	1405.77	--	--	16.68	1409.93	18.75	1407.86	17.35	1409.26	16.98	0	1409.63	17.13	0	1409.48	17.40	0	1409.21	--	--	--	--	--	--
W26	1	LNAPL	1427.57	20.48	0	1407.09	--	--	--	--	--	--	--	--	--	20.98	1407.23	--	--	--	--	--	--	--	--	--	--	19.30	1408.79	17.53	0.03	1410.07	17.62	0	1409.95	19.76	0	1407.81	19.93	0.64	1408.20	20.42	0.02	1407.17
W27	1	LNAPL	1429.5	23.52	1.9	1407.60	19.12	Trace	1410.38	21.12	0.6	1408.90	--	--	--	21.36	1408.23	--	--	--	--	--	--	--	--	--	--	17.81	0	1411.69	18.70	0	1410.8	19.68	0	1409.82	20.70	0.25	1409.02	21.40	0.02	1408.12
W30	1	GWQM	1425.72	19.86	0	1405.86	17.20	0	1408.52	18.56	0	1407.16	16.25	0	1409.47	19.70	1406.02	20.65	1405.07	--	--	16.45	1409.27	18.76	1406.96	17.95	1407.77	16.70	0	1409.02	15.91	0	1409.81	18.00	0	1407.72	18.58	0	1407.14	19.74	0	1405.98
W31	1	GWQM	1429.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22.56	1406.54	--	--	17.80	1411.30	20.32	1408.78	19.45	1409.65	18.04	0	1411.06	18.50	0	1410.6	19.43	0	1409.67	20.12	0	1408.98	21.29	0	1407.81
W32	1	GWQM	1429.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.00	0	1411.31	17.81	0	1411.5	19.45	0	1409.86	20.19	0	1409.12	21.40	0	1407.91

Notes:
Depth to water from top of well riserr.
1) Wells were inaccessible due to construction activities
2) W5 well riser was increased by 7.32 feet (based on TOC delta) in August 2016. Revised well top of riser elevation is 1432.25'. Historic top of riser elevation was 1424.93'.
Acronyms:
NA = Not available
-- = not measured
Shaded cells are data collected pre-remediation. All other data occurred post-remediation.

BENCHMARK

TABLE 3
2008-2022 GROUNDWATER ANALYTICAL SUMMARY - ORGANICS

OLEAN REDEVELOPMENT SITE 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Data																				
		W3																				
		08/12/10	11/10/10	02/17/11	05/19/11	08/18/11	11/17/11	02/23/12	08/30/12	07/17/14	12/17/14	04/13/15	09/03/15	08/09/16	05/18/17	12/20/17	06/13/18	12/19/18	06/25/19	06/16/20	06/27/21	08/01/22
Volatile Organic Compounds (ug/L)																						
1,2,4-Trimethylbenzene	**5**	**14.1**	**24.4**	**17.8**	**32.1**	**16.4**	2.3 J	**9.9**	**7.6**	2.73	**5.13**	ND	ND	ND	ND	1.77	**10.4**	ND	ND	ND	**19**	**6.1**
1,2-Dichlorobenzene	**3**	1.5	1.4	1	1.1	1.1	1.7 J	0.8	ND	ND	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72 J	ND
1,3,5-Trimethylbenzene	**5**	2.7	**6.5**	2.6	**7**	2.3	0.45 J	2	1.4	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	**5.1**	1.6 J
1,4-Dichlorobenzene	**3**	1.8	1.5	1.4	1.3	1.2	1.7 J	0.9	ND	ND	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND
Acetone	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J
Benzene	**1**	**17.9**	**19.2**	**15**	**21.4**	**13.3**	**2.1 J**	**15.1**	**11**	**3.65**	**1.89**	ND	ND	ND	ND	**47.5**	**10.1**	ND	**5.3 J**	**15**	**21**	**18**
Chlorobenzene	**5**	**8.6**	**8**	**6.6**	**6.5**	**5.3**	**10.8 J**	4.6	ND	3.12	**15.1**	2.87	4.44	3.14	ND	2.46	3.97	ND	ND	ND	2.8	1.6 J
Cyclohexane	**--**	NA	NA	NA	NA	NA	NA	NA	ND	14.4	NA	ND	ND	ND	ND	10.4	33.2	ND	2.6 J	9.3 J	41	16
Ethylbenzene	**5**	3.4	5	3.6	**5.8**	3.6	0.26 J	2.9	2	**1.48**	NA	ND	ND	ND	ND	1.33	3.25	ND	ND	ND	**5.6**	2.6
m&p-Xylene	**--**	12.9	19.6	13	24.8	13.6	13.6 J	ND	7.3	3.42	ND	ND	ND	ND	ND	6.09	9.05	ND	ND	ND	15	7.2
Methylcyclohexane	**--**	NA	NA	NA	NA	NA	NA	NA	NA	8.34	NA	NA	ND	ND	ND	ND	20.2	ND	ND	4.8 J	30	6.8 J
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	1.3	2.1	1.7	2.3	1.6	ND	0.81	0.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND
o-Xylene	**--**	17.9	23.9	13.9	30.2	16.4	16.4 J	ND	11	3.43	6.15	ND	ND	ND	ND	3.94	16.1	ND	ND	9.0 J	25	12
sec-Butylbenzene	**5**	0.35	0.43	0.4	0.53	0.37	ND	ND	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	1.7	1.9	1.3	2.3	1.4	0.48 J	1.7	1.3	ND	ND	ND	ND	ND	ND	**19.9**	1.15	ND	ND	ND	1.9 J	1.2 J
Total xylenes	**5**	**30.8**	**43.5**	**26.9**	**55**	**30.1**	**7 J**	**28.3**	**18**	**6.85**	**7.16**	ND	ND	ND	ND	**10.03**	**25.15**	ND	ND	**9 J**	**40**	**19.2**
Total VOCs	**--**	***115***	***157***	***105***	***190***	***107***	***57***	***67***	***61***	***47***	***38***	***2.9***	***4.4***	***3.1***	***ND***	***103***	***135***	***ND***	***7.9***	***47***	***209***	***65***
Total TICs	**--**	*58*	*235*	*83*	*189*	*78*	*5.7*	*44*	*114*	*41*	*NA*	*ND*	*ND*	*8.3*	*0.47*	*51*	*53*	*41*	*ND*	*9.0*	*45*	*5.1 J*
Semi-Volatile Organic Compounds (ug/L)																						
Acenaphthene	**20**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND
Benzo(a)anthracene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	**ND**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04 J	ND
Benzo(b)fluoranthene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.06 J**	ND
Benzo(ghi)perylene	**--**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06 J	ND
Chrysene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	**--**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11 J D
Indeno(1,2,3-cd)pyrene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.06 J**	ND
Naphthalene	**10**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	0.48 J D
Phenanthrene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.2 J F2 B	ND	0.15	ND
Phenol *	**1**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03 J	ND
Total SVOCs	**--**	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***5.2***	***ND***	***1.6***	***0.59 J***
Total TICs	**--**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*ND*	*ND*	*ND*	*361*	*159*	*ND*	*72*	*144*	*52*	*285*	*272*	*174*	***182 J***

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Isopropyl alcohol identified in trip blank as a VOC-TIC during May 2017 sampling event; therefore, detections of this compound as a TIC in samples were ignored.
4. Well MCMW15 was "dry" for the September 2015 sampling event.
5. Well W4 was buried for the December 2017 sampling event.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

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F2 = MS/MSD RPD exceeds control limit
B = Compound was found in the blank and sample.
BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other sampling events occurred post-remediation.

BENCHMARK

TABLE 3
2008-2021 GROUNDWATER ANALYTICAL SUMMARY - ORGANICS

OLEAN REDEVELOPMENT SITE 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date																
		W4																
		08/13/10	11/10/10	02/18/11	05/19/11	08/18/11	11/17/11	02/23/12	08/30/12	08/09/16	05/19/17	12/20/2017 [5]	06/13/18	12/20/18	06/25/19	06/16/20	06/27/21	08/01/22
Volatile Organic Compounds (ug/L)																		
1,2,4-Trimethylbenzene	**5**	1.3 J	**11.9**	**6.3**	**9.4**	0.34 J	0.6 J	3.1	0.62	ND	ND	NA	1.65	ND	ND	ND	**7.1**	**8.8**
1,2-Dichlorobenzene	**3**	0.96 J	2.2	1.6	2.2	0.83 J	0.9 J	1.3	ND	ND	ND	NA	ND	ND	ND	ND	1.8	1.7 J
1,3,5-Trimethylbenzene	**5**	0.34 J	3.5	1.8	2.4	ND	ND	0.69	ND	ND	ND	NA	ND	ND	ND	ND	1.1	1.6 J
1,4-Dichlorobenzene	**3**	0.64 J	1.4	1.1	1.4	0.62 J	0.63 J	0.84	ND	ND	ND	NA	ND	ND	ND	ND	1.1	1.1 J
Acetone	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	12	2.7 J
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	3.3 J	4.5	4.8	**7.1**	3.9 J	3.7 J	**7.1**	ND	3.81	**5.61**	NA	**5.91**	ND	ND	ND	**5.2**	**5.6**
Cyclohexane	**--**	NA	NA	NA	NA	NA	NA	NA	ND	ND	6.5	NA	15	8.4	24	26	29	28
Ethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
m&p-Xylene	**--**	ND	0.33	ND	ND	ND	ND	ND	0.53	ND	ND	NA	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	24.1	4.7	16	20	32	25
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
o-Xylene	**--**	ND	0.6	ND	0.51	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	0.72 J	0.92	0.76	0.96	0.61 J	0.54 J	0.85	0.56	ND	ND	NA	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	0.4 J	0.4	0.4	0.53	0.33 J	0.34 J	0.49	0.33	ND	ND	NA	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	0.43	0.53 J	ND	0.31	0.35	ND	ND	NA	ND	ND	ND	ND	ND	ND
Total xylenes	**5**	ND	0.92	ND	ND	ND	ND	0.22	0.53	ND	ND	NA	ND	ND	ND	ND	ND	ND
Total VOCs	**--**	***7.7***	***27***	***17***	***25***	***7.2***	***6.7***	***15***	***2.9***	***3.8***	***12***	***NA***	***47***	***13***	***40***	***46***	***89***	***75***
Total TICs	**--**	*25*	*216*	*37*	*157*	*11*	*ND*	*57*	*79*	*20*	*41*	*NA*	*80*	*ND*	*ND*	*ND*	*54*	*50 J*
Semi-Volatile Organic Compounds (ug/L)																		
Acenaphthene	**20**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	0.17	0.11 J D
Anthracene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	0.19	0.11 J D
Benzo(a)anthracene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**0.09 J**	**0.26 J D**
Benzo(a)pyrene	**ND**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	0.06 J	**0.09 J D**
Benzo(b)fluoranthene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**0.05 J**	**0.17 J D**
Benzo(ghi)perylene	**--**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	0.05 J	0.12 J D
Chrysene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	**0.33**	**0.19 J D**
Di-n-butyl phthalate	**--**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	ND	ND	ND
Fluoranthene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	ND	ND	ND	0.09 J	0.39 J D
Fluorene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	0.7 J H	NA	ND	0.7	0.46 J D
Indeno(1,2,3-cd)pyrene	**0.002**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	**0.11 J D**
Naphthalene	**10**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	ND	0.26	ND
Phenanthrene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	4.4 J B	ND	0.22	0.2 J D
Phenol *	**1**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	NA	ND	ND	ND
Pyrene	**50**	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	ND	ND	ND	ND	0.35	0.37 J D
Total SVOCs	**--**	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***	***ND***	***ND***	***NA***	***ND***	***0.70***	***4.4***	***ND***	***1.6***	***1.1***
Total TICs	**--**	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*279*	*6,128*	*NA*	*309*	*211*	*324*	*277*	*113*	*89 J*

Notes:

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BOLD

BENCHMARK

TABLE 3
2008-2021 GROUNDWATER ANALYTICAL SUMMARY - ORGANICS

OLEAN REDEVELOPMENT SITE 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date													
		W7A			W11										
		06/18/20	06/28/21	08/01/22	07/17/14	12/17/14	04/13/15	09/03/15	08/09/16	05/19/17	12/20/17	06/13/18	12/20/18	06/25/19	06/18/20
Volatile Organic Compounds (ug/L)															
1,2,4-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	0.96 J	1.2 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	**3.3**	**5**	**4.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	**9.3**	**11**	**9.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**--**	7.4	1.1 J	1.0 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	3.1	6.7 J	6.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	1.1	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total xylenes	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	**--**	***25***	***27***	***18***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***
Total TICs	**--**	*56*	82	*67 J*	*29*	*NA*	*ND*	*52*	*0.53*	*0.92*	*ND*	*1.6*	*ND*	*9.4*	*ND*
Semi-Volatile Organic Compounds (ug/L)															
Acenaphthene	**20**	ND	0.29	0.11 J D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.002**	ND	ND	**0.12 J D**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	**ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**0.002**	ND	**0.08 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J H	ND	ND
Fluoranthene	**50**	ND	0.03 J	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Fluorene	**50**	ND	0.26	0.13 J D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**50**	0.93 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5 J B	0.88 J B
Phenol *	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**50**	ND	0.14	0.11 J D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	**--**	***0.93***	***0.0***	0.13 J	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***0.38***	***3.5***	***0.88***
Total TICs	**--**	*193*	106	*31 J*	*ND*	*ND*	*ND*	*ND*	*15*	*74*	*25*	*24*	*94*	*362*	*213*

Notes:

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BENCHMARK

TABLE 3
2008-2021 GROUNDWATER ANALYTICAL SUMMARY - ORGANICS

OLEAN REDEVELOPMENT SITE 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date													
		W30													
		08/30/12	07/17/14	12/17/14	04/13/15	09/03/15	08/09/16	05/18/17	12/20/17	06/13/18	12/20/18	06/26/19	06/16/20	06/28/21	08/01/22
Volatile Organic Compounds (ug/L)															
1,2,4-Trimethylbenzene	**5**	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	1.07	1.14	1.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	ND	1.20	2.63	1.88	1.28	1.62	ND	2.53	1.69	ND	ND	ND	1.5 J	2.5
Cyclohexane	**--**	ND	5.93	NA	6.72	ND	ND	ND	5.25	ND	ND	7.2 J	ND	ND	1.3 J
Ethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	**--**	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	1.1 J
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**--**	0.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	0.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total xylenes	**5**	1.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	**--**	***4.7***	***8.2***	***3.8***	***10***	***1.3***	***1.6***	***ND***	***7.8***	***1.7***	***ND***	***7.2***	***ND***	***2***	***5***
Total TICs	**--**	*128*	*60*	*NA*	*64*	*ND*	*23*	*2.2*	*48*	*92*	*ND*	*ND*	*ND*	*4.8*	*10 J*
Semi-Volatile Organic Compounds (ug/L)															
Acenaphthene	**20**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J D
Anthracene	**50**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.002**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.11 J D**
Benzo(a)pyrene	**ND**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**0.002**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	**--**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**0.002**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	**--**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	**50**	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	**50**	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.43 J	ND	ND	0.1	0.2 J D
Indeno(1,2,3-cd)pyrene	**0.002**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J D
Phenanthrene	**50**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J B	0.73 J F1 B	ND	ND
Phenol *	**1**	NA	ND	ND	ND	ND	ND	ND	ND	ND	**4.9 J**	ND	ND	ND	ND
Pyrene	**50**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	**--**	***NA***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***5.3***	***2.4***	***0.73***	***0***	0.66 J
Total TICs	**--**	*NA*	*ND*	*ND*	*ND*	*15*	*142*	*9.4*	*21*	*145*	*2,818*	*322*	*148*	*9.2*	*67 J*

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BENCHMARK

TABLE 3
2008-2021 GROUNDWATER ANALYTICAL SUMMARY - ORGANICS

OLEAN REDEVELOPMENT SITE 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date																					
		W31									WCMW15								W10		W27	W32	
		08/11/16	05/18/17	12/20/17	06/13/18	12/19/18	06/26/19	06/16/20	06/28/21	08/01/22	9/3/2015 [4]	08/09/16	05/18/17	12/20/17	06/13/18	12/19/18	06/26/19	06/16/20	06/26/19	06/17/20	06/26/19	06/26/19	06/16/20
Volatile Organic Compounds (ug/L)																							
1,2,4-Trimethylbenzene	**5**	**7.23**	4.13	2.14	2.23	ND	ND	ND	1.3 J	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	**3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	**50**	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	**--**	24.8	15.6	10.1	12.8	ND	11	11	2.7 J	8.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	**--**	38.4	47.5	29.7	39.8	9.7	34	37	21	68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	**5**	3.54	2.14	ND	1.37	ND	ND	ND	0.87 J	1.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	**5**	2.16	1.61	1.67	1.41	ND	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total xylenes	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	**--**	***76***	***71***	***44***	***58***	***10***	***45***	***48***	***27***	***84***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***
Total TICs	**--**	*234*	*175*	*94*	*210*	*82*	*28*	*42*	*51*	*110 J*	*ND*	*ND*	*ND*	*1.2*	*ND*	*12*	*ND*	*ND*	*ND*	*ND*	*35*	*ND*	*96*	*879*
Semi-Volatile Organic Compounds (ug/L)																							
Acenaphthene	**20**	ND	ND	ND	ND	ND	ND	ND	0.2	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	**50**	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	**ND**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	**--**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	**--**	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND	ND	ND
Fluoranthene	**50**	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	0.42 J	ND	ND	ND	ND	ND	ND
Fluorene	**50**	ND	ND	ND	ND	ND	ND	ND	0.54	0.12 J D	NA	ND	ND	ND	ND	ND	ND	0.42 J B	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.002**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	**10**	ND	ND	ND	ND	ND	ND	ND	0.07 J	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**50**	ND	ND	ND	ND	ND	2.7 J B	0.62 J B	0.2	ND	NA	ND	ND	ND	ND	ND	ND	2.7 J B	ND	3.4 J B	ND	3.2 J B	3.1 J B	ND
Phenol *	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	**50**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total SVOCs	**--**	***ND***	***ND***	***ND***	***ND***	***ND***	***2.7***	***0.62***	***0.81***	ND	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***ND***	***3.9***	***ND***	***3.4***	***ND***	***3.2***	***3.1***	***ND***
Total TICs	**--**	*197*	*76*	*5.7*	*336*	*115*	*317*	*199*	*45*	*45 J*	*13*	*16*	*4.6*	*ND*	*28*	*65*	*271*	*295*	*309*	*200*	*256*	*565*	*732*

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Isopropyl alcohol identified in trip blank as a VOC-TIC during May 2017 sampling event; therefore, detections of this compound as a TIC in samples were ignored.
4. Well MCMW15 was "dry" for the September 2015 sampling event.
5. Well W4 was buried for the December 2017 sampling event.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

* = Total phenolic compounds (total phenols) GA groundwater quality limit is 1 ug/L.
ND = Parameter not detected above laboratory detection limit.
"--" = Sample not analyzed for parameter or no SCO available for the parameter.
TIC = tentatively identified compound concentration estimated.
J = Approximate value less than reporting limit but greater than or equal to method detection limit.
D = Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
F2 = MS/MSD RPD exceeds control limit
B = Compound was found in the blank and sample.
BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other sampling events occurred post-remediation.

BENCHMARK

TABLE 4
2008-2022 GROUNDWATER ANALTICAL SUMMARY - METALS

PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date								
		W3								
		09/04/08	05/18/17	12/20/17	06/13/18	12/19/18	06/25/19	06/16/20	06/27/21	08/01/22
Metals (ug/L)										
Arsenic (total)	**25**	7	ND	ND	ND	ND	ND	17	8.06	11
Arsenic (dissolved)	**25**	NA	NA	NA	NA	NA	NA	NA	3.49	3 J
Lead	**25**	<3.0	ND	ND	10.6	ND	ND	ND	NA	NA

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Well W-4 was buried for the December 2017 sampling event.
4. First sampling event where LNAPL was not detected; therefore, groundwater was sampled.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Not analyzed
J = Approximate value less than reporting limit but greater than or equal to method detection limit.
BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other samplng events occurred post-remediation.

BENCHMARK

TABLE 4
2008-2022 GROUNDWATER ANALYTICAL SUMMARY - METALS

PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date																
		W4																
		09/08/08	11/04/09	08/13/10	11/10/10	02/18/11	05/19/11	08/18/11	11/17/11	02/23/12	05/19/17	2/20/2017	06/13/18	12/20/18	06/25/19	06/16/20	06/27/21	08/01/22
Metals (ug/L)																		
Arsenic (total)	**25**	**27.4**	20.4	22.1 J	23.5	**26**	20.4	21.1 J	17.9 J	**36.7**	**37.9**	NA	**39.7**	**30**	**27**	**30**	**45.76**	25
Arsenic (dissolved)	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.81	4 J
Lead	**25**	**27.1**	7.1	10.4 J	7.2	**44.7**	<3.0	<3.0	<3.0	<3.0	14.1	NA	**72.2**	ND	5.7 J	3 J	NA	NA

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Well W-4 was buried for the December 2017 sampling event.
4. First sampling event where LNAPL was not detected; therefore, groundwater was sampled.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Not analyzed
J = Approximate value less than reporting limit but greater than or equal to method detection limit.

BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other samplng events occurred post-remediation.

BENCHMARK

TABLE 4
2008-2022 GROUNDWATER ANALYTICAL SUMMARY - METALS

PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date																
		W7A [4]	W10		W11							W27	W30					
		06/16/20	06/26/19	06/16/20	09/04/08	05/19/17	12/20/17	06/13/18	12/20/18	06/26/19	06/18/20	06/26/19	05/18/17	12/20/17	06/13/18	12/20/18	06/26/19	06/16/20
Metals (ug/L)																		
Arsenic (total)	**25**	ND	ND	ND	6.8	ND	ND	10.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic (dissolved)	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	**25**	ND	ND	ND	11.8	ND	ND	12	ND	ND	ND	ND	ND	ND	6	ND	3 J	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Well W-4 was buried for the December 2017 sampling event.
4. First sampling event where LNAPL was not detected; therefore, groundwater was sampled.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

ND = Parameter not detected above laboratory detection limit.
NA = Not analyzed
J = Approximate value less than reporting limit but greater than or equal to method detection limit.

BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other samplng events occurred post-remediation.

BENCHMARK

TABLE 4
2008-2022 GROUNDWATER ANALYTICAL SUMMARY - METALS

PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
OLEAN, NEW YORK

Parameter[1]	GWQS/GV[2]	Sample Location and Date																	
		W31							W32				WCMW15						
		08/11/16	05/18/17	12/20/17	06/13/18	12/19/18	06/26/19	06/16/20	06/26/19	06/16/20	06/27/21	08/01/22	09/03/08	05/18/17	12/20/17	06/13/18	12/19/18	06/26/19	06/16/20
Metals (ug/L)																			
Arsenic (total)	**25**	ND	ND	ND	ND	ND	ND	ND	**35**	15	16.9	22	<3.0	ND	ND	15.8	ND	13 J	ND
Arsenic (dissolved)	**25**	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.71	8	NA	NA	NA	NA	NA	NA	NA
Lead	**25**	NA	ND	ND	ND	ND	3.3 J	ND	ND	3.2 J	NA	NA	<3.0	5.3	ND	**199**	ND	3.9 J	3.7 J

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. NYSDEC Class "GA" Groundwater Quality Standards/Guidance Values (GWQS/GV), 6 NYCRR Part 703.
3. Well W-4 was buried for the December 2017 sampling event.
4. First sampling event where LNAPL was not detected; therefore, groundwater was sampled.
5. LNAPL was detected in well W27 for the June 2020 sampling event; therefore, groundwater was not sampled.

Definitions:

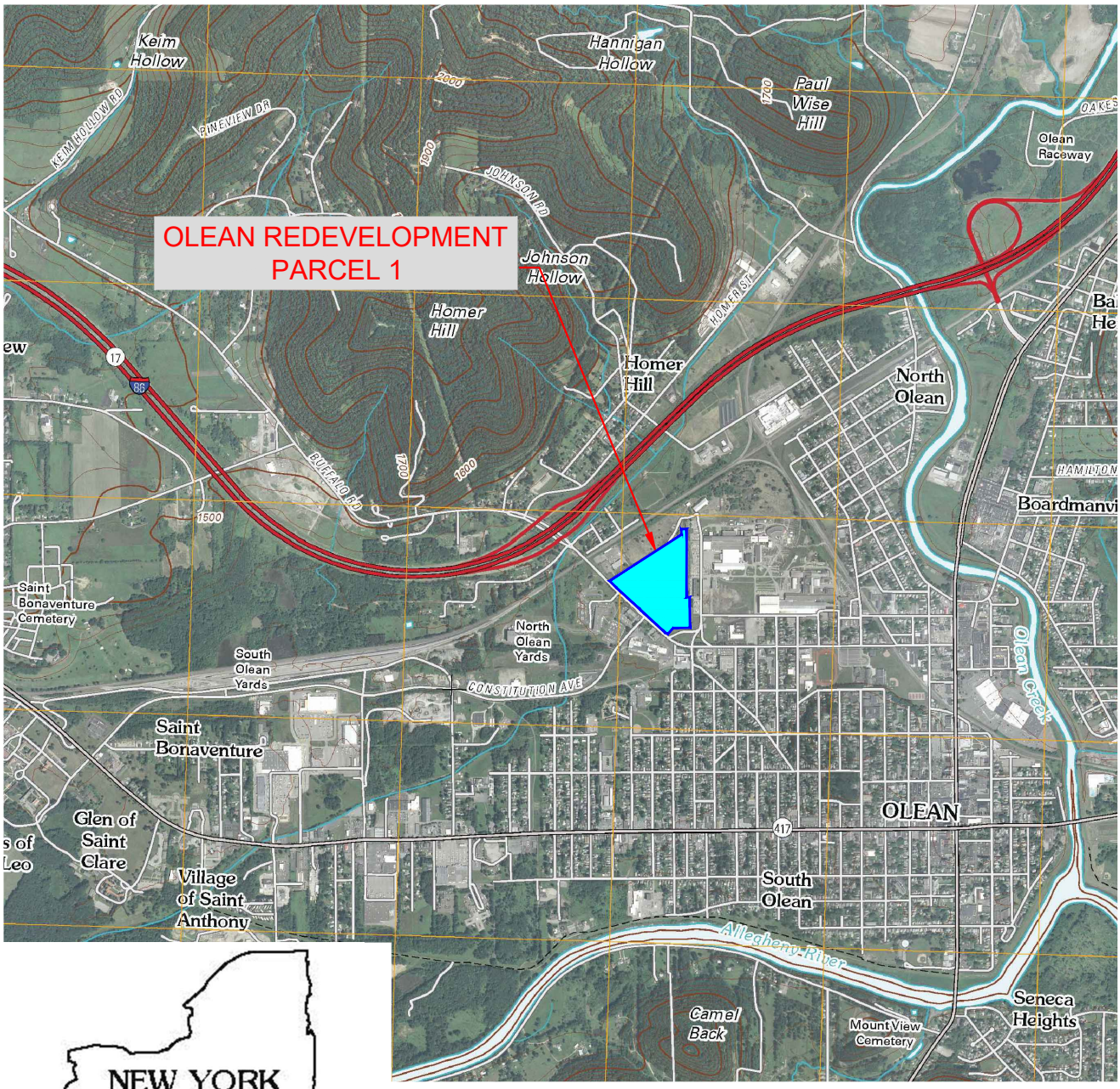
ND = Parameter not detected above laboratory detection limit.
NA = Not analyzed
J = Approximate value less than reporting limit but greater than or equal to method detection limit.

BOLD = Analytical result exceeds individual GWQS/GV.
= Dates highlighted in blue indicate samples collected pre-remediation; all other samplng events occurred post-remediation.

FIGURES

F:\CAD\TurnKey\Olean Gateway\2022 PRR\Figure 1; Site Location and VicinityORP1.dwg, 3/31/2023 5:48:56 PM

FIGURE 1



BASE MAP USGS OLEAN NY QUADRANGLE 2010

APPROXIMATE SCALE 1" = 2,500'

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0283-017-001

DATE: MARCH 2023

DRAFTED BY: RFL

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

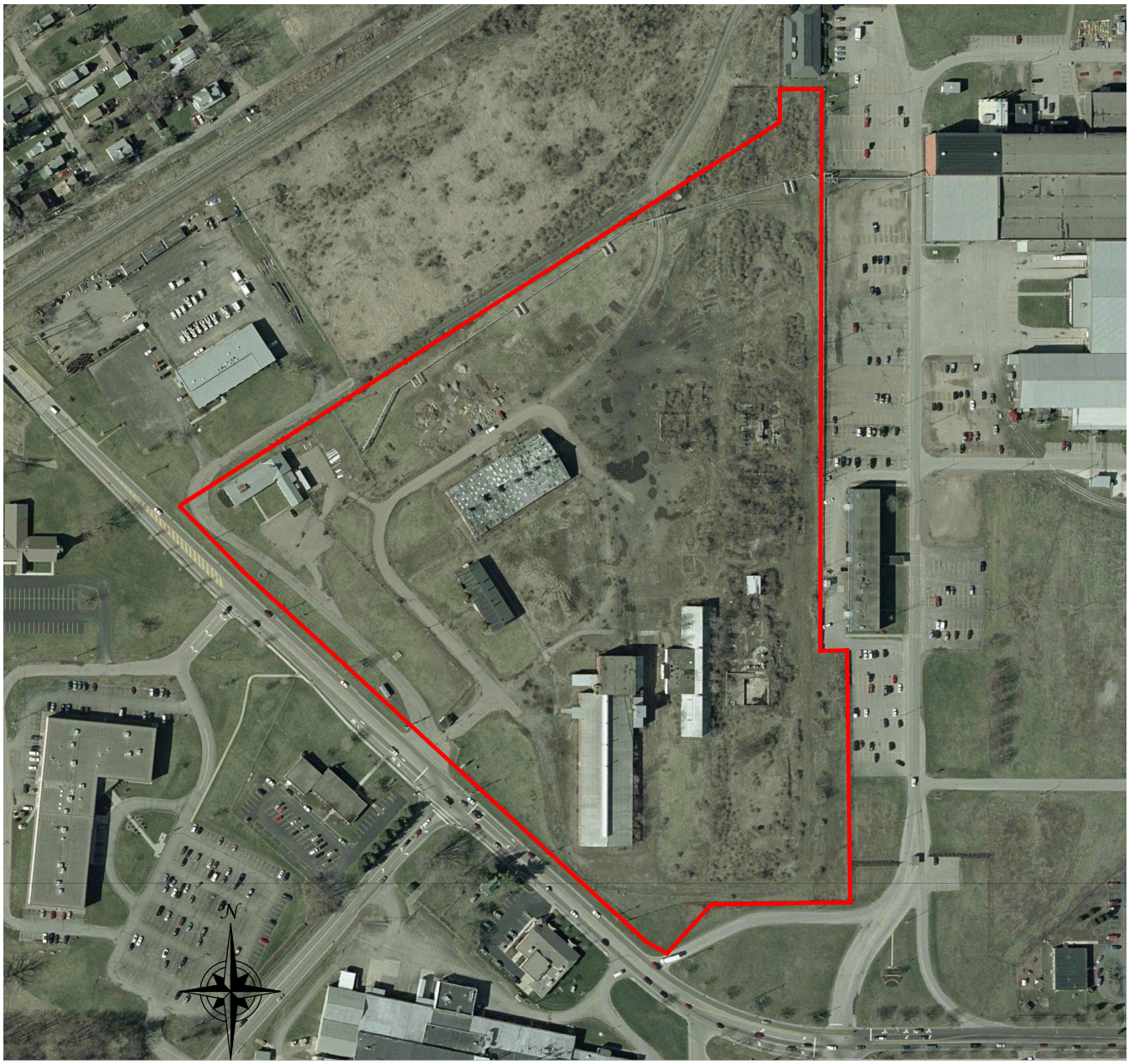
OLEAN REDEVELOPMENT SITE 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

PREPARED FOR

OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

F:\CAD\TurnKey\Olean Gateway\2022 PRR\Figure 2; Site Plan Pre-Remediation.dwg, 3/31/2023 5:50:29 PM

FIGURE 2



APPROXIMATE SCALE 1" = 300'

Property Boundary (Approximate)

Base Image NYS GIS Clearinghouse 2002

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0283-017-001

DATE: MARCH 2023

DRAFTED BY: RFL

SITE PLAN PRE-REMEDIATION

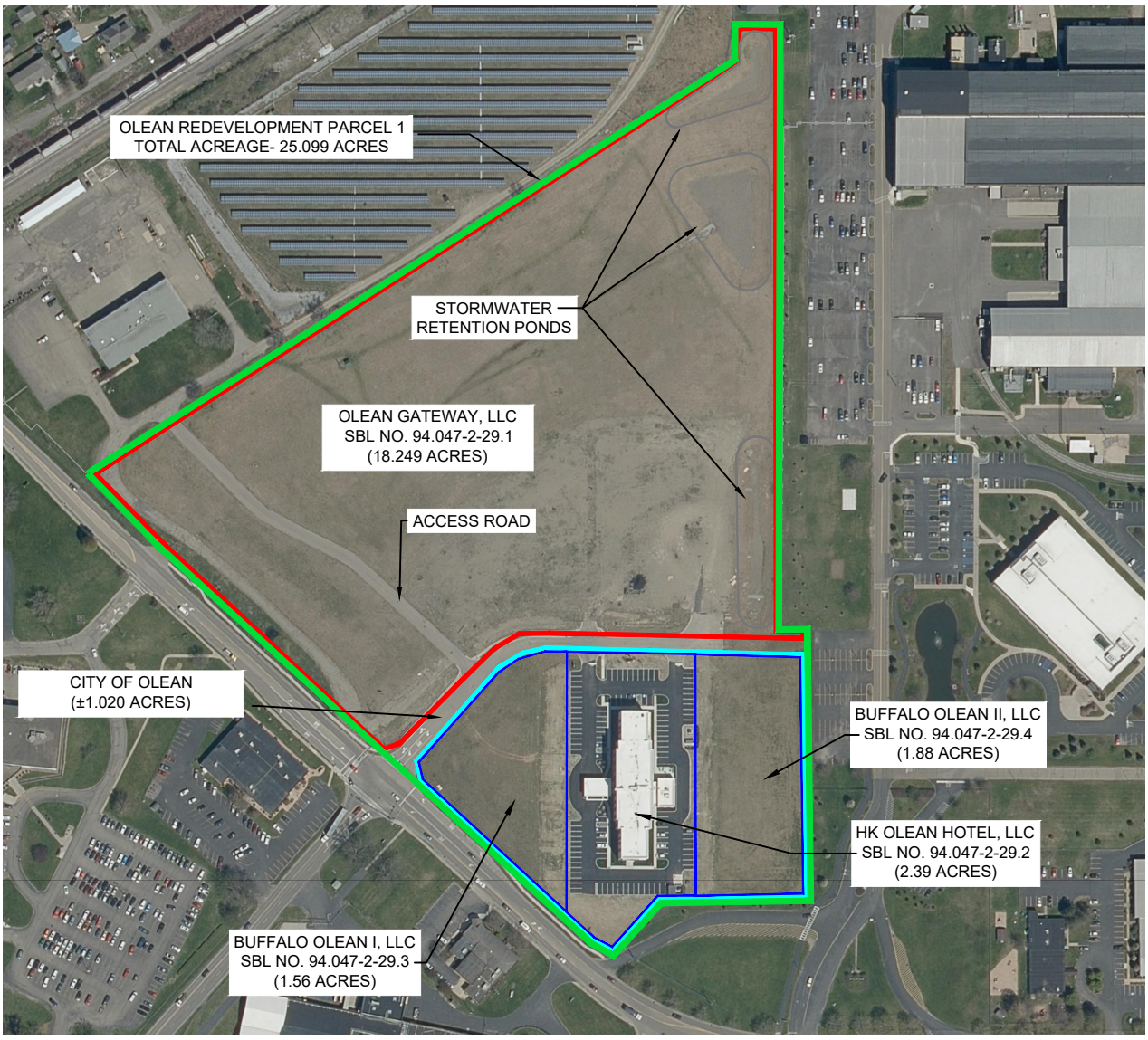
PERIODIC REVIEW REPORT

OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

PREPARED FOR

OLEAN GATEWAY LLC & HK OLEAN HOTEL, LLC

FIGURE 3



LEGEND:

- OLEAN REDEVELOPMENT PARCEL 1
- OLEAN GATEWAY, LLC BOUNDARY
- HK OLEAN HOTEL, LLC BOUNDARY
- BUFFALO OLEAN I, LLC & BUFFALO OLEAN II, LLC SUB-PARCELS

APPROXIMATE SCALE 1" = 300'

N

Base Image NYS Clearinghouse 2021

TurnKey Environmental Restoration, LLC
IN ASSOCIATION WITH
Benchmark

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0283-017-001

DATE: MARCH 2023

DRAFTED BY: CMC/RFL

SITE PLAN POST-REMEDIATION & POST-REDEVELOPMENT

PERIODIC REVIEW REPORT

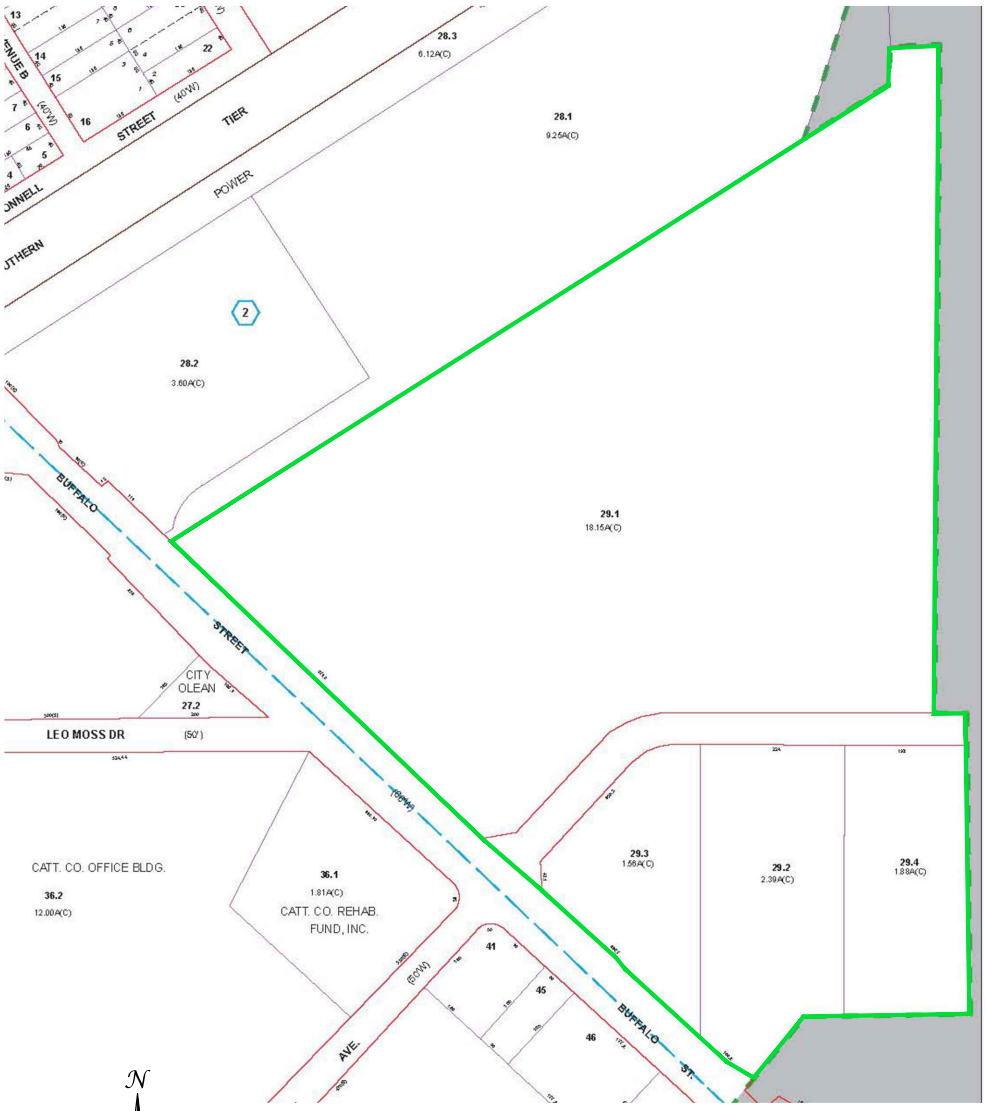
OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

PREPARED FOR

OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

F:\CAD\TurnKey\Olean Gateway\2022 PRR\Figure 4; Survey_Tax Parcel Map.dwg, 4/1/2023 1:55:12 PM

FIGURE 4



300' 0' 300' 600'

SCALE: 1 INCH = 300 FEET
SCALE IN FEET
(approximate)

LEGEND:

OLEAN REDEVELOPMENT BCP SITE 1

SOURCE: CATTARAUGUS COUNTY IMAGE MATE ONLINE
JUNE 2020

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0283-017-001

DATE: MARCH 2023

DRAFTED BY: RFL

SURVEY / TAX PARCEL MAP

PERIODIC REVIEW REPORT

OLEAN REDEVELOPMENT SITE 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

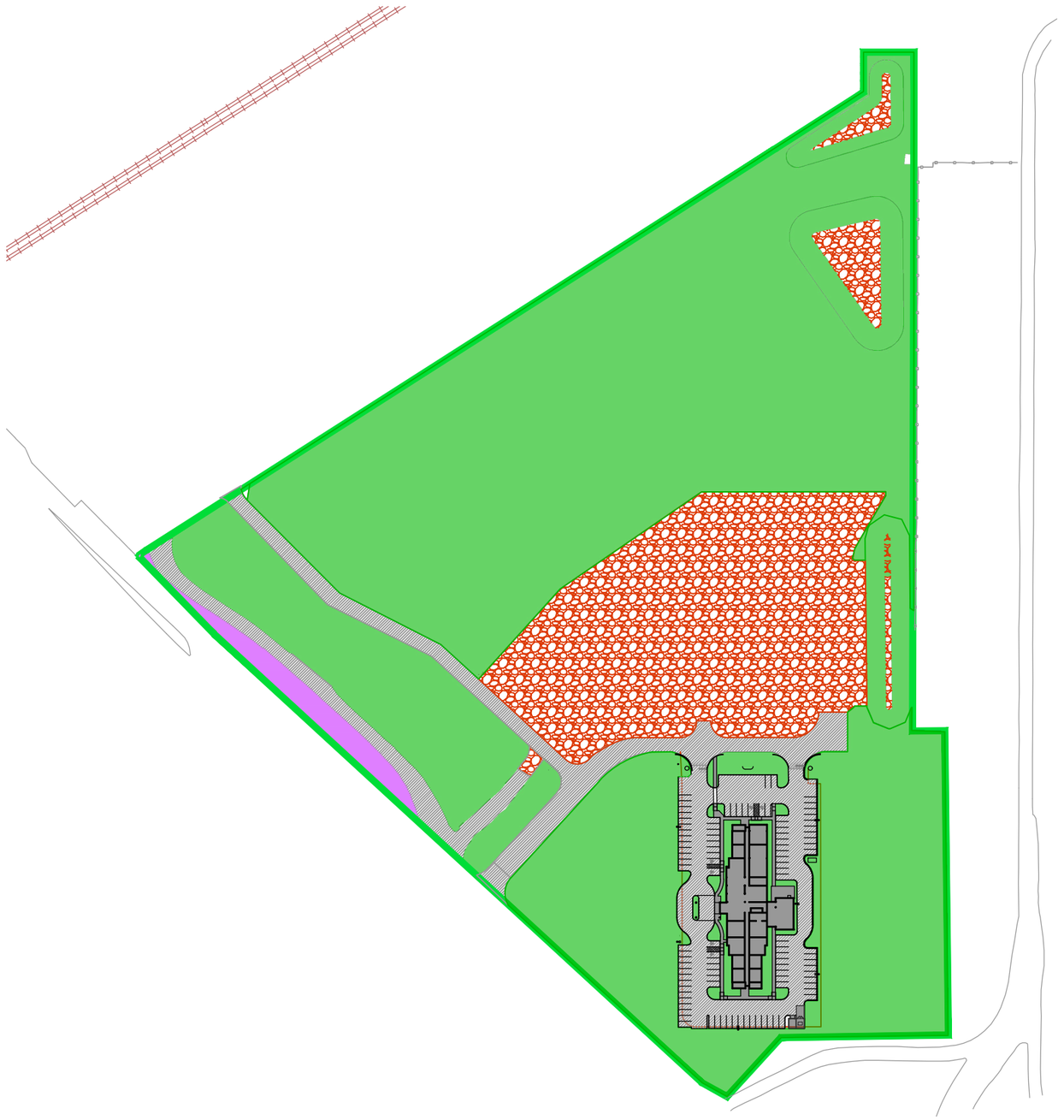
PREPARED FOR

OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

F:\CAD\TurnKey\Olean Gateway\2022 PRR\Figure 5; Site Cover System rev.dwg, 4/19/2023 3:11:01 PM

LEGEND:

- BCP SITE 1 PARCEL BOUNDARY
- ASPHALT COVER
- CRUSHED CONCRETE/AGGREGATE COVER
- VEGETATED SOIL COVER
- EXISTING SOIL COVER



N

200' 0' 200' 400'

SCALE: 1 INCH = 200 FEET
SCALE IN FEET
(approximate)

DATE: MARCH 2023
DRAFTED BY: CMC

BENCHMARK
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0283-017-001

SITE COVER SYSTEM

PERIODIC REVIEW REPORT

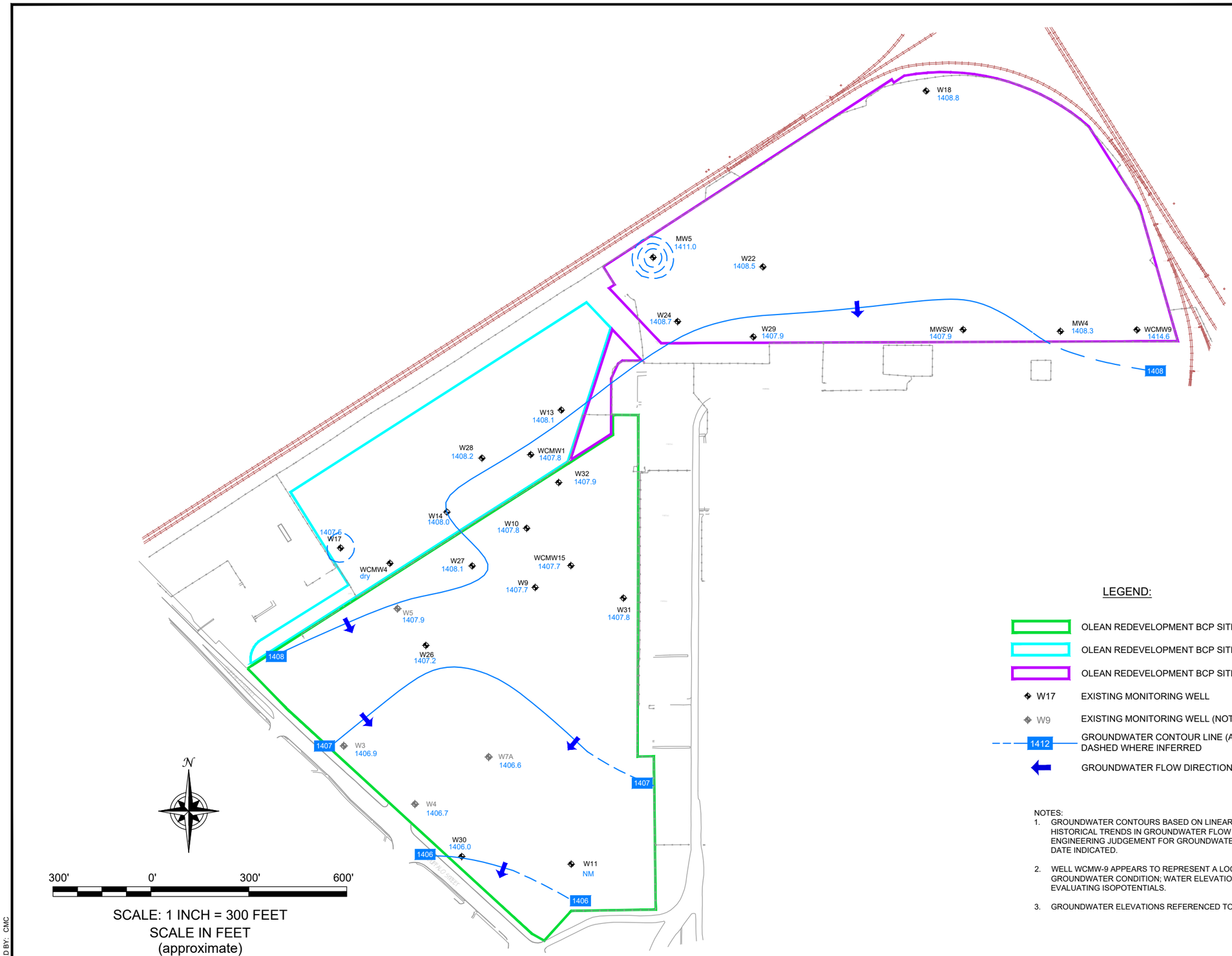
OLEAN REDEVELOPMENT SITE 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

PREPARED FOR

OLEAN GATEWAY LLC & HK OLEAN HOTEL, LLC

FIGURE 5

F:\CAD\TurnKey\Olean Gateway\2023 PRR\Figure 6; Groundwater Contour Map (August 2022).dwg, 6/2/2023 2:12:10 PM



LEGEND:

- OLEAN REDEVELOPMENT BCP SITE 1
- OLEAN REDEVELOPMENT BCP SITE 2
- OLEAN REDEVELOPMENT BCP SITE 3
- W17 — EXISTING MONITORING WELL
- W9 — EXISTING MONITORING WELL (NOT MEASURED)
- 1412 — GROUNDWATER CONTOUR LINE (AUGUST 2022); DASHED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION

NOTES:

1. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION, HISTORICAL TRENDS IN GROUNDWATER FLOW DIRECTION AND ENGINEERING JUDGEMENT FOR GROUNDWATER LEVELS MEASURED ON DATE INDICATED.
2. WELL WCMW-9 APPEARS TO REPRESENT A LOCALIZED PERCHED GROUNDWATER CONDITION; WATER ELEVATION NOT USED FOR EVALUATING ISOPOTENTIALS.
3. GROUNDWATER ELEVATIONS REFERENCED TO NAVD 88.

DATE: JUNE 2023
DRAFTED BY: CMC

GROUNDWATER ISOPOTENTIAL MAP (AUGUST 2022)

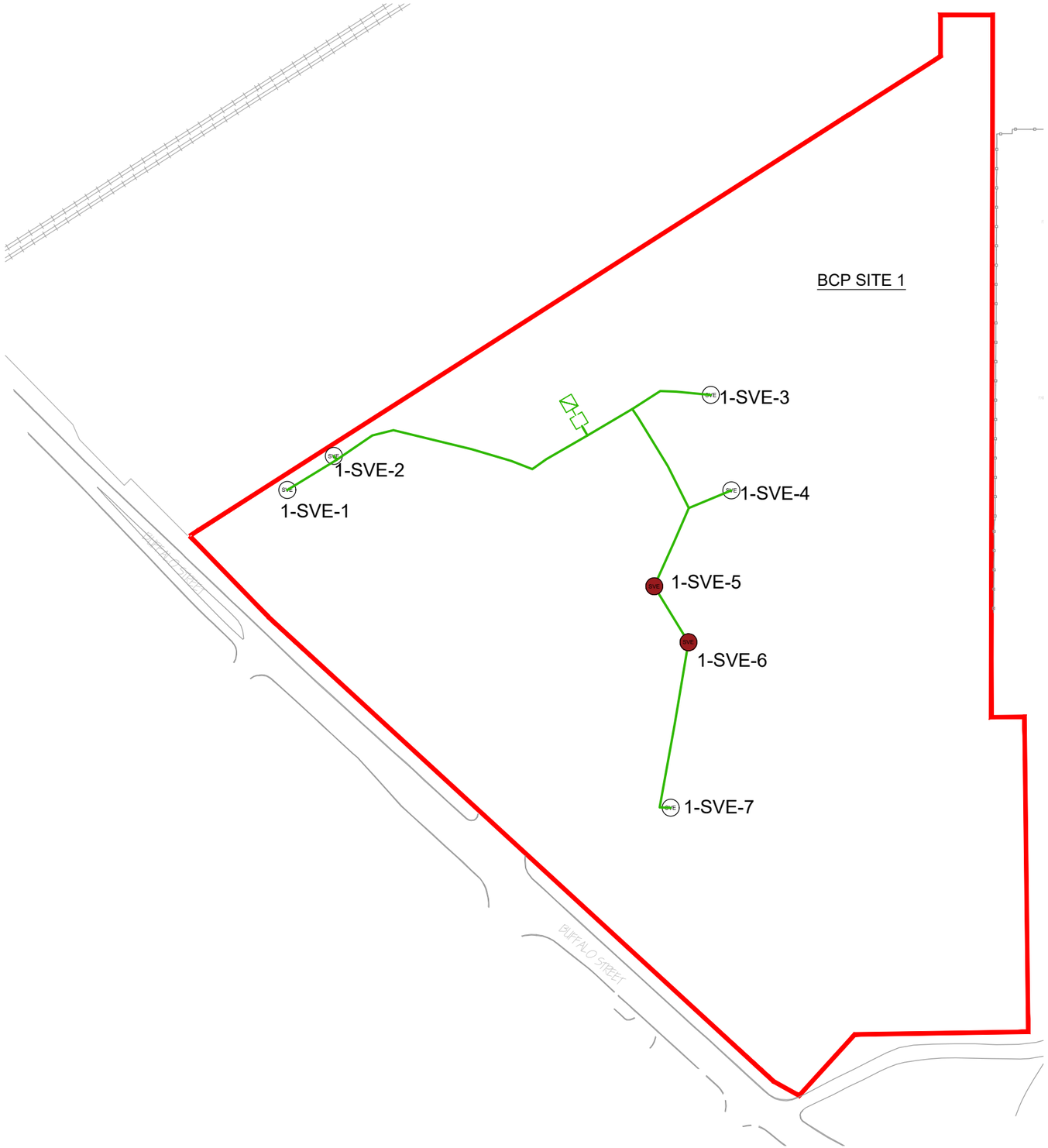
PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C9050331
OLEAN, NEW YORK
PREPARED FOR
OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

FIGURE 6

BENCHMARK
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0283-017-001

F:\CAD\TurnKey\Olean Gateway\2022 PRR\Figure 7; Soil Vapor Extraction System Map.dwg, 4/1/2023 2:00:49 PM



DATE: MARCH 2023
DRAFTED BY: RFL

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0283-017-001

SVE SYSTEM LAYOUT

PERIODIC REVIEW REPORT
OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK
PREPARED FOR
OLEAN GATEWAY LLC & HK OLEAN HOTEL LLC

FIGURE 7

APPENDIX A

IC/EC FORM

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

Site Details **Box 1**

Site No. **C905031**

Site Name Olean Redevelopment Parcel 1

Site Address: 1404-1406 & 1420 Buffalo Street Zip Code: 14760
City/Town: Olean
County: Cattaraugus
Site Acreage: 25.099

Reporting Period: May 09, 2022 to May 09, 2023

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs in place and functioning as designed?	☑	☐

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

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

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☑	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C905031 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	City of Olean	
		O&M Plan
		Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

-All engineering controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
-All ECs must be inspected at a frequency and in a manner defined in the SMP.
-The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Cattaraugus County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
-Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
-Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
-All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
-Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
-Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
-Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

94.047-2-29.1	Olean Gateway, LLC	
		Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan
		~~Ground Water Use Restriction~~ ~~Soil Management Plan~~ ~~Landuse Restriction~~ ~~Monitoring Plan~~ ~~Site Management Plan~~ ~~O&M Plan~~ ~~IC/EC Plan~~

-All engineering controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
-All ECs must be inspected at a frequency and in a manner defined in the SMP.
-The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Cattaraugus County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so

from the Department.
-Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
-Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
-All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
-Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
-Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
-Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

94.047-2-29.2 HK Olean Hotel, LLC

Landuse Restriction
Ground Water Use Restriction
Soil Management Plan
Monitoring Plan
Site Management Plan
O&M Plan

IC/EC Plan

-All engineering controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
-All ECs must be inspected at a frequency and in a manner defined in the SMP.
-The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Cattaraugus County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
-Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
-Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
-All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
-Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
-Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
-Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

94.047-2-29.3 Buffalo Olean I, LLC

Landuse Restriction
Monitoring Plan
Site Management Plan
O&M Plan
IC/EC Plan

Ground Water Use Restriction
Soil Management Plan

-All engineering controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);

-All ECs must be inspected at a frequency and in a manner defined in the SMP.
-The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Cattaraugus County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
-Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
-Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
-All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
-Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
-Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
-Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

94.047-2-29.4 Buffalo Olean II LLC

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

-All engineering controls (ECs) must be operated and maintained as specified in the Site Management Plan (SMP);
-All ECs must be inspected at a frequency and in a manner defined in the SMP.
-The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Cattaraugus County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department.
-Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
-Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;
-All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;
-Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
-Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP; and
-Access to the site must be provided to agents, employees, or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Cover System
	Groundwater Treatment System
	Vapor Mitigation
	Air Sparging/Soil Vapor Extraction

-a site cover that will allow for commercial use, that will consist either of structures such as buildings,

Parcel	Engineering Control
pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs; -removal of LNAPL from monitoring wells using the methods outlined in the SMP and RAWP; -a soil vapor extraction (SVE) system to mitigate residual contamination in subsurface soil; and -a vapor mitigation system for any future building(s) developed on-site.	
94.047-2-29.1	Groundwater Treatment System Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction ~~Groundwater Treatment System~~ ~~Vapor Mitigation~~ ~~Cover System~~ ~~Air Sparging/Soil Vapor Extraction~~
-a site cover that will allow for commercial use, that will consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs; -removal of LNAPL from monitoring wells using the methods outlined in the SMP and RAWP; -a soil vapor extraction (SVE) system to mitigate residual contamination in subsurface soil; and -a vapor mitigation system for any future building(s) developed on-site.	
94.047-2-29.2	Groundwater Treatment System Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Monitoring Wells
-a site cover that will allow for commercial use, that will consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs; -removal of LNAPL from monitoring wells using the methods outlined in the SMP and RAWP; -a soil vapor extraction (SVE) system to mitigate residual contamination in subsurface soil; and -a vapor mitigation system for any future building(s) developed on-site.	
94.047-2-29.3	Groundwater Treatment System Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Monitoring Wells
-a site cover that will allow for commercial use, that will consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs; -removal of LNAPL from monitoring wells using the methods outlined in the SMP and RAWP; -a soil vapor extraction (SVE) system to mitigate residual contamination in subsurface soil; and -a vapor mitigation system for any future building(s) developed on-site.	
94.047-2-29.4	Groundwater Treatment System Vapor Mitigation Cover System Air Sparging/Soil Vapor Extraction Monitoring Wells
-a site cover that will allow for commercial use, that will consist either of structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper one foot of exposed surface soil will exceed the applicable SCOs; -removal of LNAPL from monitoring wells using the methods outlined in the SMP and RAWP; -a soil vapor extraction (SVE) system to mitigate residual contamination in subsurface soil; and -a vapor mitigation system for any future building(s) developed on-site.	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
☑	☐

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

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

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

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

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

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

YES	NO
☑	☐

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

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

_____ _____

Signature of Owner, Remedial Party or Designated Representative | Date

IC CERTIFICATIONS
SITE NO. C905031

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

Olean Gateway LLC

I Peter L. Krog (print name) at 4 Centre Drive, Orchard Park, NY 14127 (print business address),

am certifying as Owner (Owner or Remedial Party)

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

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

6/5/23
Date

EC CERTIFICATIONS
SITE NO. C905031

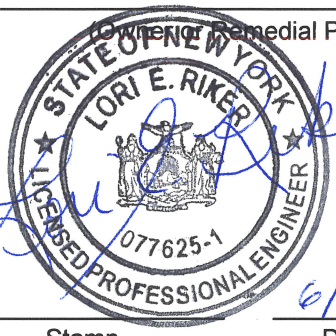
Box 7

Professional Engineer Signature

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

I Lori Riker, P.E. (print name) at Benchmark Civil/Environmental Engineering & Geology, PLLC, 2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218 (print business address),

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



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

Stamp (Required for PE)

6/7/23 — Date

APPENDIX B

SITE PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

CONDITIONS DURING APRIL 14, 2023 SITE INSPECTION

Photo 1: Vegetative growth and retention pond in northeastern corner of Olean Gateway LLC (looking south)

Photo 2: View of Olean Gateway LLC parcel vegetative growth along northern boundary (looking south)

Photo 3: View of vegetative cover with SVE trailer, biofilter, and belt skimmer shed in the distance (looking east)

Photo 4: View of northern Olean Gateway LLC parcel vegetative cover system (looking west)

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Vegetative cover along Olean Gateway LLC parcel western boundary (looking southeast)

Photo 6: Vegetative cover along Olean Gateway LLC parcel western boundary (looking northwest)

Photo 7: View of asphalt cover and stone cover beyond on the southwest portion of Olean Gateway LLC parcel (looking north)

Photo 8: View of vegetive cover on western portion of Buffalo Olean II, LLC parcel (looking south)

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

Photo 11:

Photo 12:

Photo 9: View of entrance road, northern hotel parking lot island, and HK Olean Hotel (looking east)

Photo 10: Vegetative cover area south of HK Olean Hotel (looking northeast)

Photo 11: View of vegetative cover on parcel Buffalo Olean I, LLC (looking northwest)

Photo 12: View of entrance roadway and vegetative cover on parcel Buffalo Olean I, LLC (looking southeast)

APPENDIX C

GROUNDWATER SAMPLING FIELD FORMS AND ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L2241763
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Lori Riker
Phone:	(716) 856-0599
Project Name:	ORP #1
Project Number:	0283-017-001
Report Date:	08/19/22

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

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

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2241763-01	W3	WATER	OLEAN, NY	08/01/22 17:35	08/03/22
L2241763-02	W4	WATER	OLEAN, NY	08/01/22 16:40	08/03/22
L2241763-03	W7A	WATER	OLEAN, NY	08/01/22 15:50	08/03/22
L2241763-04	W30	WATER	OLEAN, NY	08/01/22 15:10	08/03/22
L2241763-05	W31	WATER	OLEAN, NY	08/01/22 14:25	08/03/22
L2241763-06	W32	WATER	OLEAN, NY	08/02/22 10:00	08/03/22
L2241763-07	BLIND DUP	WATER	OLEAN, NY	08/01/22 08:00	08/03/22
L2241763-08	TRIP BLANK	WATER	OLEAN, NY	08/01/22 00:00	08/03/22

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

Case Narrative

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

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

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

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

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

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

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2241763-02: One container for Volatile Organics was received broken; however, there was adequate sample remaining to perform the requested analysis.

L2241763-08: A sample identified as "TRIP BLANK" was listed on the Chain of Custody, but not initally received. This was later received at the laboratory on August 6, 2022

L2241763-08: Headspace was noted in the sample containers submitted for Volatile Organics. The analysis was performed at the client's request.

Semivolatile Organics

The WG1671829-4/-5 MS/MSD recoveries, performed on L2241763-02, is below the acceptance criteria for 3,3'-dichlorobenzidine (0%/0%) and caprolactam (0%/0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

Semivolatile Organics by SIM

L2241763-01D, -02D, -03D, -04D, -05D, and -07D: The sample has elevated detection limits due to the dilution required by the sample matrix.

Dissolved Metals

The WG1672953-3 MS recovery, performed on L2241763-07, is outside the acceptance criteria for arsenic (56%). A post digestion spike was performed and yielded an unacceptable recovery for arsenic (51%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

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: 08/19/22

ORGANICS

VOLATILES

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35
Client ID: W3 Date Received: 08/03/22
Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 13:04
Analyst: MV

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	1.6	J	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	18		ug/l	0.50	0.16	1
Toluene	1.2	J	ug/l	2.5	0.70	1
Ethylbenzene	2.6		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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35
Client ID: W3 Date Received: 08/03/22
Sample Location: OLEAN, NY 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	7.2		ug/l	2.5	0.70	1
o-Xylene	12		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	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.6	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	6.1		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	16		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	6.8	J	ug/l	10	0.40	1

Tentatively Identified Compounds				
Total TIC Compounds	5.14	J	ug/l	1
Unknown	4.11	J	ug/l	1
Unknown	1.03	J	ug/l	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35

Client ID: W3 Date Received: 08/03/22

Sample Location: OLEAN, NY 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	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	97		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02
Client ID: W4
Sample Location: OLEAN, NY

Date Collected: 08/01/22 16:40
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/22 17:06
Analyst: MV

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	5.6		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	1.7	J	ug/l	2.5	0.70	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 Date Collected: 08/01/22 16:40

Client ID: W4 Date Received: 08/03/22

Sample Location: OLEAN, NY 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	1.1	J	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	2.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.6	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	8.8		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	28		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	25		ug/l	10	0.40	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 Date Collected: 08/01/22 16:40

Client ID: W4 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	49.8	J	ug/l			1
Butane, 2-Methyl-	6.79	NJ	ug/l			1
Unknown	3.07	J	ug/l			1
Unknown	3.57	J	ug/l			1
Benzene, 1-propenyl-	3.80	NJ	ug/l			1
Unknown Benzene	4.77	J	ug/l			1
Unknown Cyclohexane	7.94	J	ug/l			1
Cyclopentane, Methyl-	8.70	NJ	ug/l			1
Unknown Cycloalkane	3.78	J	ug/l			1
Cyclohexane, 1,1-dimethyl-	3.59	NJ	ug/l			1
Unknown Benzene	3.77	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 Date Collected: 08/01/22 15:50
Client ID: W7A Date Received: 08/03/22
Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 13:31
Analyst: MV

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	9.4		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	1.0	J	ug/l	2.5	0.70	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 Date Collected: 08/01/22 15:50

Client ID: W7A Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	0.79	J	ug/l	2.5	0.70	1
1,4-Dichlorobenzene	4.4		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.0	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	6.8	J	ug/l	10	0.40	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 Date Collected: 08/01/22 15:50

Client ID: W7A Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	66.6	J	ug/l			1
Unknown Cycloalkane	6.40	J	ug/l			1
Cyclopentane, 1,2,4-trimethyl-	10.9	NJ	ug/l			1
Unknown	8.41	J	ug/l			1
Cyclohexane, 1,1-dimethyl-	9.40	NJ	ug/l			1
Unknown Cyclohexane	5.86	J	ug/l			1
Pentane, 2,3-dimethyl-	8.59	NJ	ug/l			1
Unknown Cyclohexane	4.11	J	ug/l			1
Unknown	3.51	J	ug/l			1
Unknown Alkene	5.90	J	ug/l			1
Unknown	3.51	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04
Client ID: W30
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:10
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 13:58
Analyst: MV

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	2.5		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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 Date Collected: 08/01/22 15:10

Client ID: W30 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.3	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	1.1	J	ug/l	10	0.40	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 Date Collected: 08/01/22 15:10

Client ID: W30 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	10.2	J	ug/l			1
Unknown Cycloalkane	1.09	J	ug/l			1
Unknown	1.81	J	ug/l			1
Unknown Cycloalkane	1.04	J	ug/l			1
Cyclopentane, 1,1,2-trimethyl-	1.04	NJ	ug/l			1
Unknown	1.26	J	ug/l			1
Unknown	1.16	J	ug/l			1
Cyclohexane, 1,1-dimethyl-	2.83	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	96		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 Date Collected: 08/01/22 14:25
Client ID: W31 Date Received: 08/03/22
Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 14:25
Analyst: MV

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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 Date Collected: 08/01/22 14:25

Client ID: W31 Date Received: 08/03/22

Sample Location: OLEAN, NY 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	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	1.9	J	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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	3.4		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	8.8	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	68		ug/l	10	0.40	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 Date Collected: 08/01/22 14:25

Client ID: W31 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	110	J	ug/l			1
Cyclohexane, 1,1-dimethyl-	10.7	NJ	ug/l			1
Unknown Benzene	9.02	J	ug/l			1
Pentane, 2,3-dimethyl-	6.33	NJ	ug/l			1
Unknown Cyclohexane	8.56	J	ug/l			1
Cyclohexane, ethyl-	7.11	NJ	ug/l			1
Unknown Cyclopentane	12.8	J	ug/l			1
Unknown Cyclopentane	13.9	J	ug/l			1
Unknown Aromatic	5.43	J	ug/l			1
Unknown Cycloalkane	14.7	J	ug/l			1
Unknown Cyclohexane	21.8	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 08/01/22 08:00
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 14:52
Analyst: MV

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	1.7	J	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	18		ug/l	0.50	0.16	1
Toluene	1.3	J	ug/l	2.5	0.70	1
Ethylbenzene	2.8		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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 Date Collected: 08/01/22 08:00

Client ID: BLIND DUP Date Received: 08/03/22

Sample Location: OLEAN, NY 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	7.8		ug/l	2.5	0.70	1
o-Xylene	13		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.8	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	6.6		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	17		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	7.5	J	ug/l	10	0.40	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 Date Collected: 08/01/22 08:00

Client ID: BLIND DUP Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	6.77	J	ug/l			1
Cyclopentane, Methyl-	4.34	NJ	ug/l			1
Propane, 2-(ethylthio)-	1.03	NJ	ug/l			1
Unknown	1.40	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	95		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-08
Client ID: TRIP BLANK
Sample Location: OLEAN, NY

Date Collected: 08/01/22 00:00
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/09/22 15:19
Analyst: MV

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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-08 Date Collected: 08/01/22 00:00

Client ID: TRIP BLANK Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-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
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Tentatively Identified Compounds				
Total TIC Compounds	1.26	J	ug/l	1
Unknown	1.26	J	ug/l	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-08 Date Collected: 08/01/22 00:00

Client ID: TRIP BLANK Date Received: 08/03/22

Sample Location: OLEAN, NY 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	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	98		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/22 09:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1673038-5					
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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/22 09:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1673038-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-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
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
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/09/22 09:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1673038-5					
Tentatively Identified Compounds					
Total TIC Compounds	1.24	J	ug/l		
Unknown	1.24	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	98		70-130

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1673876-5					
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: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1673876-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-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
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
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/22 08:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1673876-5					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1673038-3 WG1673038-4								
Methylene chloride	95		100		70-130	5		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	99		110		63-132	11		20
1,2-Dichloropropane	94		100		70-130	6		20
Dibromochloromethane	90		99		63-130	10		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	97		100		67-130	3		20
Bromodichloromethane	110		120		67-130	9		20
trans-1,3-Dichloropropene	94		100		70-130	6		20
cis-1,3-Dichloropropene	92		98		70-130	6		20
Bromoform	90		100		54-136	11		20
1,1,2,2-Tetrachloroethane	99		110		67-130	11		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**150**	Q	**160**	Q	64-130	6		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	140		**150**	Q	55-140	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1673038-3 WG1673038-4								
Chloroethane	**230**	Q	**240**	Q	55-138	4		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	95		98		70-130	3		20
1,2-Dichlorobenzene	94		100		70-130	6		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	97		100		70-130	3		20
Methyl tert butyl ether	86		98		63-130	13		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	93		98		70-130	5		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	**150**	Q	**160**	Q	36-147	6		20
Acetone	110		110		58-148	0		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	94		100		63-138	6		20
4-Methyl-2-pentanone	98		110		59-130	12		20
2-Hexanone	91		110		57-130	19		20
Bromochloromethane	91		94		70-130	3		20
1,2-Dibromoethane	91		98		70-130	7		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	80		92		41-144	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1673038-3 WG1673038-4								
Isopropylbenzene	96		99		70-130	3		20
p-Isopropyltoluene	99		98		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	88		100		70-130	13		20
1,2,4-Trichlorobenzene	88		99		70-130	12		20
1,3,5-Trimethylbenzene	97		99		64-130	2		20
1,2,4-Trimethylbenzene	95		98		70-130	3		20
Methyl Acetate	100		120		70-130	18		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	76		88		56-162	15		20
Freon-113	120		130		70-130	8		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	97		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1673876-3 WG1673876-4								
Methylene chloride	98		100		70-130	2		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	91		91		70-130	0		20
Tetrachloroethene	99		97		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	92		96		70-130	4		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	94		97		67-130	3		20
trans-1,3-Dichloropropene	90		88		70-130	2		20
cis-1,3-Dichloropropene	93		94		70-130	1		20
Bromoform	82		81		54-136	1		20
1,1,2,2-Tetrachloroethane	90		90		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	99		98		70-130	1		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	88		89		64-130	1		20
Bromomethane	83		90		39-139	8		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1673876-3 WG1673876-4								
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	85		87		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	93		94		36-147	1		20
Acetone	**36**	Q	**38**	Q	58-148	5		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	70		70		63-138	0		20
4-Methyl-2-pentanone	65		66		59-130	2		20
2-Hexanone	**55**	Q	57		57-130	4		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	93		91		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	77		76		41-144	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1673876-3 WG1673876-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	84		87		70-130	4		20
1,2,4-Trichlorobenzene	89		91		70-130	2		20
1,3,5-Trimethylbenzene	99		99		64-130	0		20
1,2,4-Trimethylbenzene	98		97		70-130	1		20
Methyl Acetate	77		78		70-130	1		20
Cyclohexane	100		100		70-130	0		20
1,4-Dioxane	70		78		56-162	11		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	99		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1673876-6	WG1673876-7	QC Sample: L2241763-02	Client ID: W4							
Methylene chloride	ND	10	11	110		9.6	96		70-130	14		20
1,1-Dichloroethane	ND	10	12	120		10	100		70-130	18		20
Chloroform	ND	10	12	120		9.8	98		70-130	20		20
Carbon tetrachloride	ND	10	12	120		10	100		63-132	18		20
1,2-Dichloropropane	ND	10	12	120		9.8	98		70-130	20		20
Dibromochloromethane	ND	10	11	110		9.4	94		63-130	16		20
1,1,2-Trichloroethane	ND	10	22	**220**	Q	19	**190**	Q	70-130	15		20
Tetrachloroethene	ND	10	9.8	98		9.5	95		70-130	3		20
Chlorobenzene	5.6	10	16	104		15	94		75-130	6		20
Trichlorofluoromethane	ND	10	12	120		10	100		62-150	18		20
1,2-Dichloroethane	ND	10	11	110		9.3	93		70-130	17		20
1,1,1-Trichloroethane	ND	10	12	120		10	100		67-130	18		20
Bromodichloromethane	ND	10	11	110		9.2	92		67-130	18		20
trans-1,3-Dichloropropene	ND	10	10	100		8.8	88		70-130	13		20
cis-1,3-Dichloropropene	ND	10	10	100		9.0	90		70-130	11		20
Bromoform	ND	10	9.4	94		8.1	81		54-136	15		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		9.7	97		67-130	**21**	Q	20
Benzene	ND	10	12	120		10	100		70-130	18		20
Toluene	ND	10	11	110		10	100		70-130	10		20
Ethylbenzene	ND	10	11	110		9.7	97		70-130	13		20
Chloromethane	ND	10	10	100		9.0	90		64-130	11		20
Bromomethane	ND	10	7.5	75		7.5	75		39-139	0		20
Vinyl chloride	ND	10	13	130		11	110		55-140	17		20
Chloroethane	ND	10	17	**170**	Q	14	**140**	Q	55-138	19		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1673876-6	WG1673876-7	QC Sample: L2241763-02	Client ID: W4							
1,1-Dichloroethene	ND	10	13	130		11	110		61-145	17		20
trans-1,2-Dichloroethene	ND	10	12	120		10	100		70-130	18		20
Trichloroethene	ND	10	12	120		9.9	99		70-130	19		20
1,2-Dichlorobenzene	1.7J	10	11	110		10	100		70-130	10		20
1,3-Dichlorobenzene	ND	10	9.4	94		9.2	92		70-130	2		20
1,4-Dichlorobenzene	1.1J	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	11	110		8.8	88		63-130	**22**	Q	20
p/m-Xylene	ND	20	21	105		19	95		70-130	10		20
o-Xylene	ND	20	21	105		19	95		70-130	10		20
cis-1,2-Dichloroethene	ND	10	12	120		10	100		70-130	18		20
Styrene	ND	20	20	100		18	90		70-130	11		20
Dichlorodifluoromethane	ND	10	10	100		8.8	88		36-147	13		20
Acetone	2.7J	10	18	**180**	Q	16	**160**	Q	58-148	12		20
Carbon disulfide	ND	10	12	120		11	110		51-130	9		20
2-Butanone	ND	10	17	**170**	Q	16	**160**	Q	63-138	6		20
4-Methyl-2-pentanone	ND	10	10	100		7.7	77		59-130	**26**	Q	20
2-Hexanone	ND	10	9.1	91		6.8	68		57-130	**29**	Q	20
Bromochloromethane	ND	10	12	120		9.9	99		70-130	19		20
1,2-Dibromoethane	ND	10	11	110		9.5	95		70-130	15		20
n-Butylbenzene	ND	10	7.6	76		8.8	88		53-136	15		20
sec-Butylbenzene	ND	10	8.5	85		9.3	93		70-130	9		20
1,2-Dibromo-3-chloropropane	ND	10	10	100		8.0	80		41-144	**22**	Q	20
Isopropylbenzene	ND	10	9.6	96		9.4	94		70-130	2		20
p-Isopropyltoluene	ND	10	7.8	78		8.7	87		70-130	11		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02	QC Batch ID: WG1673876-6	WG1673876-7	QC Sample: L2241763-02	Client ID: W4							
n-Propylbenzene	ND	10	9.0	90		9.2	92		69-130	2		20
1,2,3-Trichlorobenzene	ND	10	8.0	80		7.8	78		70-130	3		20
1,2,4-Trichlorobenzene	ND	10	7.8	78		8.0	80		70-130	3		20
1,3,5-Trimethylbenzene	1.6J	10	10	100		10	100		64-130	0		20
1,2,4-Trimethylbenzene	8.8	10	17	82		16	72		70-130	6		20
Methyl Acetate	ND	10	9.0	90		7.4	74		70-130	20		20
Cyclohexane	28	10	35	70		32	**40**	Q	70-130	9		20
1,4-Dioxane	ND	500	530	106		480	96		56-162	10		20
Freon-113	ND	10	11	110		10	100		70-130	10		20
Methyl cyclohexane	25	10	31	**60**	Q	30	**50**	Q	70-130	3		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		93		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	101		99		70-130
Toluene-d8	100		102		70-130

SEMIVOLATILES

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01
Client ID: W3
Sample Location: OLEAN, NY

Date Collected: 08/01/22 17:35
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 17:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35

Client ID: W3 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35

Client ID: W3 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	182	J	ug/l			1
Unknown Organic Acid	9.78	J	ug/l			1
Unknown	10.8	J	ug/l			1
Unknown	25.0	J	ug/l			1
Unknown Organic Acid	8.00	J	ug/l			1
Unknown	7.93	J	ug/l			1
Unknown	11.2	J	ug/l			1
Unknown	8.51	J	ug/l			1
Unknown	12.4	J	ug/l			1
Unknown	15.5	J	ug/l			1
Unknown Alkane	11.6	J	ug/l			1
Unknown Organic Acid	22.7	J	ug/l			1
Unknown	10.7	J	ug/l			1
Unknown Organic Acid	7.56	J	ug/l			1
Unknown Organic Acid	12.0	J	ug/l			1
Unknown	7.85	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	77		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 D
Client ID: W3
Sample Location: OLEAN, NY

Date Collected: 08/01/22 17:35
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 14:01
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	0.48	J	ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	ND		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	0.11	J	ug/l	0.50	0.07	5
Phenanthrene	ND		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	ND		ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 D
Client ID: W3
Sample Location: OLEAN, NY

Date Collected: 08/01/22 17:35
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	**122**	Q	10-120
4-Terphenyl-d14	75		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02
Client ID: W4
Sample Location: OLEAN, NY

Date Collected: 08/01/22 16:40
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 17:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 Date Collected: 08/01/22 16:40

Client ID: W4 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 Date Collected: 08/01/22 16:40

Client ID: W4 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	89.0	J	ug/l			1
Unknown Organic Acid	4.14	J	ug/l			1
Unknown Alkane	5.13	J	ug/l			1
Unknown	4.44	J	ug/l			1
Unknown	4.51	J	ug/l			1
Unknown Benzene	4.18	J	ug/l			1
Unknown Phenol	15.3	J	ug/l			1
Unknown	7.85	J	ug/l			1
Unknown	8.40	J	ug/l			1
Unknown	2.98	J	ug/l			1
Unknown	5.49	J	ug/l			1
Unknown Alcohol	3.60	J	ug/l			1
Unknown Organic Acid	8.62	J	ug/l			1
Unknown	5.56	J	ug/l			1
Unknown Benzene	5.16	J	ug/l			1
Unknown	3.60	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	71		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 D
Client ID: W4
Sample Location: OLEAN, NY

Date Collected: 08/01/22 16:40
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 14:17
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11	J	ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	0.39	J	ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	ND		ug/l	0.50	0.24	5
Benzo(a)anthracene	0.26	J	ug/l	0.50	0.10	5
Benzo(a)pyrene	0.09	J	ug/l	0.50	0.08	5
Benzo(b)fluoranthene	0.17	J	ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	0.19	J	ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	0.11	J	ug/l	0.50	0.07	5
Benzo(ghi)perylene	0.12	J	ug/l	0.50	0.07	5
Fluorene	0.46	J	ug/l	0.50	0.07	5
Phenanthrene	0.20	J	ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	0.11	J	ug/l	0.50	0.06	5
Pyrene	0.37	J	ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 D
Client ID: W4
Sample Location: OLEAN, NY

Date Collected: 08/01/22 16:40
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	118		10-120
4-Terphenyl-d14	70		41-149

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03
Client ID: W7A
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:50
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 18:03
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 Date Collected: 08/01/22 15:50

Client ID: W7A Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 Date Collected: 08/01/22 15:50

Client ID: W7A Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	31.4	J	ug/l			1
Unknown	1.60	J	ug/l			1
Unknown Organic Acid	2.14	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown Organic Acid	2.47	J	ug/l			1
Benzene, chloro-	2.22	NJ	ug/l			1
Unknown	2.44	J	ug/l			1
Unknown	3.24	J	ug/l			1
Unknown Benzene	3.05	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown	1.60	J	ug/l			1
Cyclic Octaatomic Sulfur	4.65	NJ	ug/l			1
Unknown Benzene	2.51	J	ug/l			1
Unknown Cycloalkane	2.14	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	72		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 D
Client ID: W7A
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:50
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 14:32
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.11	J	ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	ND		ug/l	0.50	0.24	5
Benzo(a)anthracene	0.12	J	ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	ND		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	0.13	J	ug/l	0.50	0.07	5
Phenanthrene	ND		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	0.11	J	ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-03 D
Client ID: W7A
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:50
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	66		41-149

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04
Client ID: W30
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:10
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 18:29
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 Date Collected: 08/01/22 15:10

Client ID: W30 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 Date Collected: 08/01/22 15:10

Client ID: W30 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	67.0	J	ug/l			1
Unknown Organic Acid	7.53	J	ug/l			1
Unknown Organic Acid	5.82	J	ug/l			1
Unknown	2.33	J	ug/l			1
Sulfur	2.40	NJ	ug/l			1
Unknown	3.67	J	ug/l			1
Unknown	3.24	J	ug/l			1
Unknown Phenol	6.94	J	ug/l			1
Unknown	3.67	J	ug/l			1
Unknown Organic Acid	5.49	J	ug/l			1
Unknown	2.22	J	ug/l			1
Unknown	2.36	J	ug/l			1
Unknown	2.62	J	ug/l			1
Unknown	12.6	J	ug/l			1
Unknown	4.04	J	ug/l			1
Unknown Organic Acid	2.04	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	70		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 D
Client ID: W30
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:10
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 14:48
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.12	J	ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	0.46	J	ug/l	0.50	0.24	5
Benzo(a)anthracene	0.11	J	ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	ND		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	0.20	J	ug/l	0.50	0.07	5
Phenanthrene	ND		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	ND		ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-04 D
Client ID: W30
Sample Location: OLEAN, NY

Date Collected: 08/01/22 15:10
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	60		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05
Client ID: W31
Sample Location: OLEAN, NY

Date Collected: 08/01/22 14:25
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 18:55
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 Date Collected: 08/01/22 14:25

Client ID: W31 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 Date Collected: 08/01/22 14:25

Client ID: W31 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	45.0	J	ug/l			1
Unknown Organic Acid	4.69	J	ug/l			1
Unknown	2.87	J	ug/l			1
Unknown Benzene	2.25	J	ug/l			1
Unknown Benzene	2.40	J	ug/l			1
Unknown Cycloalkane	2.07	J	ug/l			1
Unknown Organic Acid	2.47	J	ug/l			1
Unknown Organic Acid	4.11	J	ug/l			1
Unknown Benzene	2.11	J	ug/l			1
Unknown	3.09	J	ug/l			1
Unknown	2.69	J	ug/l			1
Unknown	3.42	J	ug/l			1
Unknown Organic Acid	3.53	J	ug/l			1
Unknown Indene	2.80	J	ug/l			1
Unknown Benzene	3.24	J	ug/l			1
Unknown	3.24	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	65		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 D
Client ID: W31
Sample Location: OLEAN, NY

Date Collected: 08/01/22 14:25
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 15:04
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	ND		ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	ND		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	0.12	J	ug/l	0.50	0.07	5
Phenanthrene	ND		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	ND		ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-05 D
Client ID: W31
Sample Location: OLEAN, NY

Date Collected: 08/01/22 14:25
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	57		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 08/01/22 08:00
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/12/22 19:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 Date Collected: 08/01/22 08:00

Client ID: BLIND DUP Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 Date Collected: 08/01/22 08:00

Client ID: BLIND DUP Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	112	J	ug/l			1
Unknown	5.74	J	ug/l			1
Unknown	5.89	J	ug/l			1
Unknown Alkane	7.31	J	ug/l			1
Unknown Organic Acid	5.38	J	ug/l			1
Unknown Organic Acid	14.7	J	ug/l			1
Unknown	6.07	J	ug/l			1
Unknown	6.18	J	ug/l			1
Unknown	8.44	J	ug/l			1
Unknown Alkane	18.0	J	ug/l			1
Unknown	4.76	J	ug/l			1
Unknown Organic Acid	5.78	J	ug/l			1
Unknown	6.80	J	ug/l			1
Unknown Benzene	6.00	J	ug/l			1
Unknown Organic Acid	6.51	J	ug/l			1
Unknown	4.62	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	58		41-149

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 D
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 08/01/22 08:00
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 15:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.50	0.07	5
2-Chloronaphthalene	ND		ug/l	1.0	0.09	5
Fluoranthene	ND		ug/l	0.50	0.10	5
Hexachlorobutadiene	ND		ug/l	2.5	0.23	5
Naphthalene	0.40	J	ug/l	0.50	0.24	5
Benzo(a)anthracene	ND		ug/l	0.50	0.10	5
Benzo(a)pyrene	ND		ug/l	0.50	0.08	5
Benzo(b)fluoranthene	ND		ug/l	0.50	0.06	5
Benzo(k)fluoranthene	ND		ug/l	0.50	0.04	5
Chrysene	ND		ug/l	0.50	0.06	5
Acenaphthylene	ND		ug/l	0.50	0.06	5
Anthracene	ND		ug/l	0.50	0.07	5
Benzo(ghi)perylene	ND		ug/l	0.50	0.07	5
Fluorene	ND		ug/l	0.50	0.07	5
Phenanthrene	ND		ug/l	0.50	0.12	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	0.06	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	0.06	5
Pyrene	ND		ug/l	0.50	0.10	5
2-Methylnaphthalene	ND		ug/l	0.50	0.11	5
Pentachlorophenol	ND		ug/l	4.0	0.07	5
Hexachlorobenzene	ND		ug/l	4.0	0.05	5
Hexachloroethane	ND		ug/l	4.0	0.32	5

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 D
Client ID: BLIND DUP
Sample Location: OLEAN, NY

Date Collected: 08/01/22 08:00
Date Received: 08/03/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	52		41-149

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/22 15:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1671829-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	1.6	J	ug/l	3.0	1.5
Butyl benzyl phthalate	2.1	J	ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/22 15:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1671829-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Tentatively Identified Compounds

Total TIC Compounds	3.34	J	ug/l
Unknown	1.49	J	ug/l
Unknown	1.85	J	ug/l

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/12/22 15:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05,07 Batch: WG1671829-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	92		41-149

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/06/22 17:59
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07 Batch: WG1671830-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.02	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/06/22 17:59
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/05/22 14:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05,07 Batch: WG1671830-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	108		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1671829-2 WG1671829-3								
Bis(2-chloroethyl)ether	78		75		40-140	4		30
3,3'-Dichlorobenzidine	69		85		40-140	21		30
2,4-Dinitrotoluene	105		109		48-143	4		30
2,6-Dinitrotoluene	99		103		40-140	4		30
4-Chlorophenyl phenyl ether	84		90		40-140	7		30
4-Bromophenyl phenyl ether	96		100		40-140	4		30
Bis(2-chloroisopropyl)ether	62		61		40-140	2		30
Bis(2-chloroethoxy)methane	81		80		40-140	1		30
Hexachlorocyclopentadiene	62		64		40-140	3		30
Isophorone	79		78		40-140	1		30
Nitrobenzene	88		88		40-140	0		30
NDPA/DPA	85		91		40-140	7		30
n-Nitrosodi-n-propylamine	80		80		29-132	0		30
Bis(2-ethylhexyl)phthalate	90		96		40-140	6		30
Butyl benzyl phthalate	102		109		40-140	7		30
Di-n-butylphthalate	86		90		40-140	5		30
Di-n-octylphthalate	91		99		40-140	8		30
Diethyl phthalate	90		94		40-140	4		30
Dimethyl phthalate	87		89		40-140	2		30
Biphenyl	81		84		40-140	4		30
4-Chloroaniline	61		67		40-140	9		30
2-Nitroaniline	106		107		52-143	1		30
3-Nitroaniline	84		94		25-145	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1671829-2 WG1671829-3								
4-Nitroaniline	89		101		51-143	13		30
Dibenzofuran	78		84		40-140	7		30
1,2,4,5-Tetrachlorobenzene	77		77		2-134	0		30
Acetophenone	83		84		39-129	1		30
2,4,6-Trichlorophenol	91		92		30-130	1		30
p-Chloro-m-cresol	87		92		23-97	6		30
2-Chlorophenol	80		82		27-123	2		30
2,4-Dichlorophenol	89		88		30-130	1		30
2,4-Dimethylphenol	68		58		30-130	16		30
2-Nitrophenol	116		116		30-130	0		30
4-Nitrophenol	79		**86**	Q	10-80	8		30
2,4-Dinitrophenol	106		118		20-130	11		30
4,6-Dinitro-o-cresol	120		134		20-164	11		30
Phenol	63		64		12-110	2		30
2-Methylphenol	78		79		30-130	1		30
3-Methylphenol/4-Methylphenol	86		88		30-130	2		30
2,4,5-Trichlorophenol	92		95		30-130	3		30
Carbazole	82		93		55-144	13		30
Atrazine	119		121		40-140	2		30
Benzaldehyde	100		99		40-140	1		30
Caprolactam	43		45		10-130	5		30
2,3,4,6-Tetrachlorophenol	93		97		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1671829-2 WG1671829-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		71		21-120
Phenol-d6	63		65		10-120
Nitrobenzene-d5	93		93		23-120
2-Fluorobiphenyl	81		83		15-120
2,4,6-Tribromophenol	105		109		10-120
4-Terphenyl-d14	91		95		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1671830-2 WG1671830-3								
Acenaphthene	75		77		40-140	3		40
2-Chloronaphthalene	60		64		40-140	6		40
Fluoranthene	75		79		40-140	5		40
Hexachlorobutadiene	66		70		40-140	6		40
Naphthalene	73		68		40-140	7		40
Benzo(a)anthracene	85		86		40-140	1		40
Benzo(a)pyrene	75		77		40-140	3		40
Benzo(b)fluoranthene	83		89		40-140	7		40
Benzo(k)fluoranthene	88		85		40-140	3		40
Chrysene	86		91		40-140	6		40
Acenaphthylene	56		59		40-140	5		40
Anthracene	75		77		40-140	3		40
Benzo(ghi)perylene	92		97		40-140	5		40
Fluorene	75		76		40-140	1		40
Phenanthrene	78		79		40-140	1		40
Dibenzo(a,h)anthracene	95		100		40-140	5		40
Indeno(1,2,3-cd)pyrene	96		101		40-140	5		40
Pyrene	76		80		40-140	5		40
2-Methylnaphthalene	62		64		40-140	3		40
Pentachlorophenol	90		94		40-140	4		40
Hexachlorobenzene	86		90		40-140	5		40
Hexachloroethane	59		63		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 Batch: WG1671830-2 WG1671830-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		59		21-120
Phenol-d6	47		50		10-120
Nitrobenzene-d5	64		69		23-120
2-Fluorobiphenyl	61		64		15-120
2,4,6-Tribromophenol	98		99		10-120
4-Terphenyl-d14	68		72		41-149

Matrix Spike Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG1671829-4 WG1671829-5 QC Sample: L2241763-02 Client ID: W4												
Bis(2-chloroethyl)ether	ND	18.2	10	55		10	55		40-140	0		30
3,3'-Dichlorobenzidine	ND	18.2	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	18.2	12	66		13	72		48-143	8		30
2,6-Dinitrotoluene	ND	18.2	13	72		13	72		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	12	66		13	72		40-140	8		30
4-Bromophenyl phenyl ether	ND	18.2	14	77		14	77		40-140	0		30
Bis(2-chloroisopropyl)ether	ND	18.2	9.8	54		11	61		40-140	12		30
Bis(2-chloroethoxy)methane	ND	18.2	11	61		12	66		40-140	9		30
Hexachlorocyclopentadiene	ND	18.2	11.J	61		11.J	61		40-140	0		30
Isophorone	ND	18.2	12	66		13	72		40-140	8		30
Nitrobenzene	ND	18.2	12	66		13	72		40-140	8		30
NDPA/DPA	ND	18.2	12	66		14	77		40-140	15		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		13	72		29-132	8		30
Bis(2-ethylhexyl)phthalate	ND	18.2	17	94		18	99		40-140	6		30
Butyl benzyl phthalate	ND	18.2	15	83		16	88		40-140	6		30
Di-n-butylphthalate	ND	18.2	15	83		16	88		40-140	6		30
Di-n-octylphthalate	ND	18.2	17	94		18	99		40-140	6		30
Diethyl phthalate	ND	18.2	13	72		15	83		40-140	14		30
Dimethyl phthalate	ND	18.2	12	66		12	66		40-140	0		30
Biphenyl	ND	18.2	12	66		12	66		40-140	0		30
4-Chloroaniline	ND	18.2	8.4	46		11	61		40-140	27		30
2-Nitroaniline	ND	18.2	14	77		14	77		52-143	0		30
3-Nitroaniline	ND	18.2	9.2	51		12	66		25-145	26		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG1671829-4 WG1671829-5 QC Sample: L2241763-02 Client ID: W4												
4-Nitroaniline	ND	18.2	11	61		12	66		51-143	9		30
Dibenzofuran	ND	18.2	12	66		13	72		40-140	8		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	13	72		13	72		2-134	0		30
Acetophenone	ND	18.2	12	66		13	72		39-129	8		30
2,4,6-Trichlorophenol	ND	18.2	14	77		15	83		30-130	7		30
p-Chloro-m-cresol	ND	18.2	15	83		15	83		23-97	0		30
2-Chlorophenol	ND	18.2	12	66		12	66		27-123	0		30
2,4-Dichlorophenol	ND	18.2	13	72		14	77		30-130	7		30
2,4-Dimethylphenol	ND	18.2	12	66		12	66		30-130	0		30
2-Nitrophenol	ND	18.2	11	61		13	72		30-130	17		30
4-Nitrophenol	ND	18.2	12	66		15	**83**	Q	10-80	22		30
2,4-Dinitrophenol	ND	18.2	14.J	77		15.J	83		20-130	7		30
4,6-Dinitro-o-cresol	ND	18.2	11	61		13	72		20-164	17		30
Phenol	ND	18.2	8.8	48		9.4	52		12-110	7		30
2-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
2,4,5-Trichlorophenol	ND	18.2	14	77		15	83		30-130	7		30
Carbazole	ND	18.2	14	77		15	83		55-144	7		30
Atrazine	ND	18.2	13	72		14	77		40-140	7		30
Benzaldehyde	ND	18.2	13	72		14	77		40-140	7		30
Caprolactam	ND	18.2	ND	**0**	Q	ND	**0**	Q	10-130	NC		30
2,3,4,6-Tetrachlorophenol	ND	18.2	14	77		15	83		40-140	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1 ***Lab Number:*** L2241763

Project Number: 0283-017-001 ***Report Date:*** 08/19/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG1671829-4 WG1671829-5 QC Sample: L2241763-02 Client ID: W4

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	92		99		10-120
2-Fluorobiphenyl	65		67		15-120
2-Fluorophenol	55		57		21-120
4-Terphenyl-d14	70		73		41-149
Nitrobenzene-d5	60		69		23-120
Phenol-d6	53		53		10-120

Matrix Spike Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG1671830-4 WG1671830-5 QC Sample: L2241763-02 Client ID: W4												
Acenaphthene	0.11J	18.2	14	77		10	55		40-140	33		40
2-Chloronaphthalene	ND	18.2	13	72		9.2	51		40-140	34		40
Fluoranthene	0.39J	18.2	15	83		10	55		40-140	40		40
Hexachlorobutadiene	ND	18.2	14	77		10	55		40-140	33		40
Naphthalene	ND	18.2	13	72		9.6	53		40-140	30		40
Benzo(a)anthracene	0.26J	18.2	14	77		11	61		40-140	24		40
Benzo(a)pyrene	0.09J	18.2	14	77		10	55		40-140	33		40
Benzo(b)fluoranthene	0.17J	18.2	15	83		11	61		40-140	31		40
Benzo(k)fluoranthene	ND	18.2	14	77		11	61		40-140	24		40
Chrysene	0.19J	18.2	14	77		11	61		40-140	24		40
Acenaphthylene	ND	18.2	13	72		8.8	48		40-140	39		40
Anthracene	0.11J	18.2	13	72		9.9	54		40-140	27		40
Benzo(ghi)perylene	0.12J	18.2	19	100		12	66		40-140	**45**	Q	40
Fluorene	0.46J	18.2	14	77		12	66		40-140	15		40
Phenanthrene	0.20J	18.2	13	72		10	55		40-140	26		40
Dibenzo(a,h)anthracene	ND	18.2	19	100		12	66		40-140	**45**	Q	40
Indeno(1,2,3-cd)pyrene	0.11J	18.2	19	100		12	66		40-140	**45**	Q	40
Pyrene	0.37J	18.2	15	83		10	55		40-140	40		40
2-Methylnaphthalene	ND	18.2	12	66		9.0	50		40-140	29		40
Pentachlorophenol	ND	18.2	20	110		14	77		40-140	35		40
Hexachlorobenzene	ND	18.2	16	88		12	66		40-140	29		40
Hexachloroethane	ND	18.2	14	77		10	55		40-140	33		40

Matrix Spike Analysis

Batch Quality Control

Project Name: ORP #1 ***Lab Number:*** L2241763

Project Number: 0283-017-001 ***Report Date:*** 08/19/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05,07 QC Batch ID: WG1671830-4 WG1671830-5 QC Sample: L2241763-02 Client ID: W4												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	120		82		10-120
2-Fluorobiphenyl	72		50		15-120
2-Fluorophenol	64		46		21-120
4-Terphenyl-d14	70		48		41-149
Nitrobenzene-d5	72		51		23-120
Phenol-d6	56		39		10-120

METALS

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-01 Date Collected: 08/01/22 17:35

Client ID: W3 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.011		mg/l	0.005	0.002	1	08/05/22 09:44	08/17/22 11:27	EPA 3005A	1,6010D	JF
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.003	J	mg/l	0.005	0.002	1	08/09/22 08:58	08/17/22 22:25	EPA 3005A	1,6010D	JF

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-02 Date Collected: 08/01/22 16:40

Client ID: W4 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.025		mg/l	0.005	0.002	1	08/05/22 09:44	08/17/22 11:37	EPA 3005A	1,6010D	JF
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.004	J	mg/l	0.005	0.002	1	08/09/22 08:58	08/18/22 11:09	EPA 3005A	1,6010D	MC

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-06 Date Collected: 08/02/22 10:00

Client ID: W32 Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.022		mg/l	0.005	0.002	1	08/05/22 09:44	08/17/22 11:30	EPA 3005A	1,6010D	JF
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.008		mg/l	0.005	0.002	1	08/09/22 08:58	08/17/22 22:28	EPA 3005A	1,6010D	JF

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

SAMPLE RESULTS

Lab ID: L2241763-07 Date Collected: 08/01/22 08:00

Client ID: BLIND DUP Date Received: 08/03/22

Sample Location: OLEAN, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.012		mg/l	0.005	0.002	1	08/05/22 09:44	08/17/22 11:34	EPA 3005A	1,6010D	JF
Dissolved Metals - Mansfield Lab											
Arsenic, Dissolved	0.003	J	mg/l	0.005	0.002	1	08/09/22 10:37	08/17/22 16:53	EPA 3005A	1,6010D	JF

Project Name: ORP #1 **Lab Number:** L2241763

Project Number: 0283-017-001 **Report Date:** 08/19/22

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): 01-02,06-07 Batch: WG1671558-1										
Arsenic, Total	ND		mg/l	0.005	0.002	1	08/05/22 09:44	08/17/22 11:20	1,6010D	JF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-02,06 Batch: WG1671853-1										
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	08/09/22 08:58	08/17/22 21:30	1,6010D	JF

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 07 Batch: WG1672953-1										
Arsenic, Dissolved	ND		mg/l	0.005	0.002	1	08/09/22 10:37	08/17/22 16:05	1,6010D	JF

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06-07 Batch: WG1671558-2								
Arsenic, Total	94		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02,06 Batch: WG1671853-2								
Arsenic, Dissolved	106		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1672953-2								
Arsenic, Dissolved	110		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

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): 01-02,06-07 QC Batch ID: WG1671558-3 WG1671558-4 QC Sample: L2241763-02 Client ID: W4												
Arsenic, Total	0.025	0.12	0.139	95		0.138	94		75-125	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,06-07 QC Batch ID: WG1671558-7 WG1671558-8 QC Sample: L2241788-03 Client ID: MS Sample												
Arsenic, Total	0.004J	0.12	0.128	107		0.126	105		75-125	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1671853-3 WG1671853-4 QC Sample: L2241763-02 Client ID: W4												
Arsenic, Dissolved	0.004J	0.12	0.129	108		0.132	110		75-125	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1671853-7 QC Sample: L2241797-01 Client ID: MS Sample												
Arsenic, Dissolved	0.008	0.12	0.135	106		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1672953-3 QC Sample: L2241763-07 Client ID: BLIND DUP												
Arsenic, Dissolved	0.003J	0.24	0.135	**56**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: ORP #1

Project Number: 0283-017-001

Lab Number: L2241763

Report Date: 08/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1672953-4 QC Sample: L2241763-07 Client ID: BLIND DUP						
Arsenic, Dissolved	0.003J	0.002J	mg/l	NC		20

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2241763-01A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-01B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-01C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-01E	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2241763-01F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-01G	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)
L2241763-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02A1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02A2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02B1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02B2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02C1	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02C2	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-02D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-02D1	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-02D2	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-02E	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2241763-02E1	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2241763-02E2	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2241763-02F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02F1	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02F2	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02G	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02G1	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02G2	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)
L2241763-02X1	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)
L2241763-02X2	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)
L2241763-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-03C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-03D	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-03E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-04A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-04B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-04C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-04D	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-04E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-05A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-05B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-05C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-05D	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-05E	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-06A	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2241763-06B	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-06X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)

*Values in parentheses indicate holding time in days

Project Name: ORP #1
Project Number: 0283-017-001

Lab Number: L2241763
Report Date: 08/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2241763-07A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-07B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-07C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260-R2(14)
L2241763-07D	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	Y	Absent		AS-TI(180)
L2241763-07E	Plastic 250ml unpreserved	A	7	7	2.2	Y	Absent		-
L2241763-07F	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-07G	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2241763-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.2	Y	Absent		AS-SI(180)
L2241763-08A	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260-R2(14)
L2241763-08B	Vial HCl preserved	B	NA		3.3	Y	Absent		NYTCL-8260-R2(14)

Container Comments

L2241763-03E	cap cracked, sample intact.
L2241763-04E	cap cracked, sample intact.

*Values in parentheses indicate holding time in days

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

Data Qualifiers

Identified Compounds (TICs).

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

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name:	ORP #1	**Lab Number:**	L2241763
Project Number:	0283-017-001	**Report Date:**	08/19/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, 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: 8/4/22

ALPHA Job #: L2241763

Client Information
Client: Benchmark
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email: Lriker@bm-tk.com

Project Information
Project Name: ORP #1
Project Location: Olean NY
Project # 0283-017-001
(Use Project name as Project #)
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard [X] 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 #

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 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	TCL+CP-51 VOCs+TICs 8260	TCL+CP-51 SVOCs+TICs 8270	Arsenic (total)	Arsenic (dissolved)	Total Bottle	Sample Specific Comments
01	W3	8-1-22	1735	water	CEH	X	X	X	X		
02	W4	8-1-22	1640			X	X	X	X		
03	MS/MSD	8-1-22	1640			X	X	X	X		
04	W7A	8-1-22	1550			X	X				
05	W30	8-1-22	1510			X	X				
06	W31	8-1-22	1425			X	X				
07	W32	8-~~2~~-22	1000					X	X		
08	Blind Dup	8-1-22	0800			X	X	X	X		
	Trip Blank					X					

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

Temp 2.8 #1 ICE

Container Type	V	A	P	P
Preservative	B	A	C	A

Relinquished By:	Date/Time	Received By:	Date/Time
Chester Hochreiter	8-2-22 / 1500	[signature]	8/3/22 1300
Fax: Delivery #62	8/03/22 @ 16:20	[signature]	8/03/22 16:20
[signature]	8/03/22 @ 16:20	[signature]	8/4/22 0010

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)

Copy

L2241763

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 8/6/22

ALPHA Job #: L2241763

Client Information
Client: Benchmark
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax:
Email: Liriker@bm-tk.com

Project Information
Project Name: ORP #1
Project Location: Olean NY
Project #: 0283-017-001
(Use Project name as Project #)
Project Manager:
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:

Please specify Metals or TAL.

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

Billing Information
[ ] Same as Client Info
PO #

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

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

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+CP-51 VOCs+TICs 8260	TCL+CP-51 SVOCs+TICs 8270	Arsenic (total)	Arsenic (dissolved)	Total Bottle	Sample Specific Comments
41763-01	W3	8-1-22	1735	water	CEH	X	X	X	X		
02	W4	8-1-22	1640			X	X	X	X		
V	MS/MSD	8-1-22	1640			X	X	X	X		
03	W7A	8-1-22	1550			X	X				
04	W30	8-1-22	1510			X	X				
05	W31	8-1-22	1425			X	X				
06	W32	8-2-22	1000					X	X		
07	Blind Dup	8-1-22	0800			X	X	X	X		
08	Trip Blank					X					
	Container Type					V	A	P	P		
	Preservative					B	A	C	A		

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = NaHSO4, H = $Na_2S_2O_3$, KE = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Temp 2.8 #1 ICE

Relinquished By	Date/Time	Received By	Date/Time
Celestia Hardwicke	8-2-22 / 1500	[illegible]	8/3/22 1300
Fax Delivery #62	8/03/22 @ 16:20	[illegible]	8/3/22 16:20
[illegible]	8/03/22 @ 1620	[illegible]	8/6/22 0020

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)

GROUNDWATER FIELD FORM

Project Name: ORP #1 Olean Gateway | Date: 8-1-22

Location: Olean NY | Project No.: | Field Team: CEH

Well No. W3			Diameter (inches 4"			Sample Date / Time: 8-1-22 / 1735			
Product Depth (fbTOR):			Water Column (ft): ~~9.68~~ 9.63			DTW when sampled: 17.96			
DTW (static) (fbTOR): 17.75			One Well Volume (gal): 6.29			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 27.38			Total Volume Purged (gal): 14.00			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1705	0 Initial	0.00	7.60	17.4	1009	211	0.89	-56	SL turbid, no odor
1708	1 17.91	1.00	7.11	15.4	1010	59	0.79	-42	clear, no odor
1711	2 17.94	2.00	7.00	14.5	1012	26.7	0.91	-38	" " "
1715	3 17.94	4.00	6.98	14.5	1017	16.4	0.81	-39	" " "
1720	4 17.95	6.00	6.93	14.2	1076	14.3	0.84	-43	" " "
1725	5 17.96	8.00	6.93	14.1	1064	9.31	0.63	-48	" " "
1730	6 17.95	10.00	6.94	14.0	1102	9.95	0.75	-60	" " "
	7								
	8								
	9								
	10								
Sample Information:									
1735	S1 17.96	12.00	6.95	14.1	1126	9.96	0.76	-70	clear, no odor
1745	S2 17.98	14.00	6.96	15.5	1217	8.31	0.81	-94	" " "

Well No. W4			Diameter (inches 4"			Sample Date / Time: 8-1-22 / 1640			
Product Depth (fbTOR):			Water Column (ft): 8.68			DTW when sampled: 19.60			
DTW (static) (fbTOR): 18.40			One Well Volume (gal): 5.67			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 27.08			Total Volume Purged (gal): 8.00			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1605	0 Initial	0.00	7.41	19.0	1040	>1000	0.42	-88	Turbid, SL Petrol odor
1609	1 18.89	0.50	7.00	16.9	1040	>1000	0.62	-85	" " " "
1613	2 19.15	1.00	6.91	16.1	1038	255	0.73	-85	SL Turbid, " " "
1616	3 19.30	1.50	6.90	15.8	1044	152	0.80	-85	" " " " "
1620	4 19.35	2.00	6.90	15.8	1043	128	0.74	-85	" " " " "
1623	5 19.40	2.50	6.91	15.3	1004	178	0.74	-86	" " " " "
1626	6 19.57	3.00	6.93	15.3	1047	174	0.69	-87	" " " " "
1630	7 19.61	3.50	6.93	15.6	1046	152	0.76	-88	" " " " "
1633	8 19.57	4.00	6.94	15.4	1059	161	0.65	-89	" " " " "
	9								
	10								
Sample Information:									
1640	S1 19.60	4.50	6.96	15.1	1047	163	0.69	-89	SL Turbid, SL Petrol odor
1700	S2 19.93	8.00	7.04	16.9	1055	401	0.76	-93	" " " " "

REMARKS: Took MS/MSD with W4

Took Blind Dup with W3

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: ORP-1 Date:

Location: Project No.: Field Team:

Well No. W5			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 24.33			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 24.36			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No. W7A			Diameter (inches 2"			Sample Date / Time: 8-1-22 / 1550			
Product Depth (fbTOR):			Water Column (ft): 12.24			DTW when sampled: 19.16			
DTW (static) (fbTOR): 18.63			One Well Volume (gal): 2.00			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 30.87			Total Volume Purged (gal): 5.00			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1540	0 Initial	0.00	7.34	19.7	994.1	121	0.84	-85	SL Turbid, SL Petrol odor
1543	1 19.06	1.00	7.07	17.4	1023	52.6	0.76	-88	clear, " " "
1544	2 19.12	1.75	7.07	16.8	1038	29.1	0.78	-90	" " " "
1546	3 19.16	2.50	7.09	16.0	1047	32.4	0.80	-90	" " " "
1548	4 19.15	3.25	7.08	15.6	1047	31.0	0.76	-90	" " " "
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1550	S1 19.16	4.00	7.09	15.4	1055	37.5	0.81	-91	Clear, SL Petrol odor
1555	S2 19.14	5.00	7.23	15.1	1065	88.1	0.79	-101	" " "

REMARKS: W5 Historic Product Encountered

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: ORP-1 Date:

Location: Project No.: Field Team:

Well No. W9			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR): 21.00			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 21.11			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR):			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No. W26			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 20.40			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 20.42			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

REMARKS: W9 & W26 Historic Product Encountered

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: ORP-1 Date: 8-1-22

Location: Project No.: Field Team: CEH

Well No. W27			Diameter (inches):			Sample Date / Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR): 21.38			One Well Volume (gal):			Purpose: ☐ Development ☐ Sample ☐ Purge & Sample			
Total Depth (fbTOR): 21.40			Total Volume Purged (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
	S2								

Well No. W30			Diameter (inches 2"			Sample Date / Time: 8-1-22 / 1510			
Product Depth (fbTOR):			Water Column (ft): 9.68			DTW when sampled: 19.80			
DTW (static) (fbTOR): 19.74			One Well Volume (gal): 1.58			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 29.42			Total Volume Purged (gal): 6.00			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1455	0 Initial	0.00	8.06	14.4	742.2	820	1.73	-71	Turbid, no odor
1459	1 ~~19.80~~ 19.80	0.50	6.78	17.6	939.7	637	0.89	-29	" " "
1501	2 19.80	1.00	6.79	16.6	1039	103	0.92	-33	SL TURBID, no odor
1503	3 19.80	2.00	6.83	16.2	1092	32.0	0.80	-39	clear, no odor
1505	4 19.80	3.00	6.89	16.2	1116	15.4	0.84	-42	" " "
1507	5 19.80	4.00	6.87	16.3	1124	15.4	0.81	-47	" " "
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1510	S1 19.80	5.00	6.91	16.0	1144	13.0	0.79	-49	clear, no odor
1520	S2 19.80	6.00	7.00	18.5	1173	20.7	1.09	-63	SL Turbid, no odor

REMARKS: W27 Historic Product Encountered

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER FIELD FORM

Project Name: ORP 1 Date: 8-1-22

Location: Project No.: Field Team: CEH

Well No. W31			Diameter (inches 2"			Sample Date / Time: 8-1-22 / 1425			
Product Depth (fbTOR):			Water Column (ft): 5.65			DTW when sampled: 21.32			
DTW (static) (fbTOR): 21.29			One Well Volume (gal): 0.92			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 26.94			Total Volume Purged (gal): 6.50			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1412	0 Initial	0.00	7.65	20.5	1185	>1000	0.60	-38	Turbid, no odor
1415	1 21.32	0.50	7.10	17.8	1197	180	0.76	-62	SL Turbid, " "
1417	2 21.33	1.50	7.06	17.6	1206	63.5	0.73	-69	clear, no odor
1419	3 21.33	2.50	7.03	16.9	1211	32.4	0.68	-71	" " "
1421	4 21.33	3.50	7.04	16.6	1210	23.8	0.77	-73	" " "
1423	5 21.32	4.50	7.02	16.2	1211	18.2	0.69	-73	" " "
	6								
	7								
	8								
	9								
	10								
Sample Information:									
1425	S1 21.32	5.50	6.99	16.2	1218	14.7	0.71	-71	clear, no odor
1430	S2 21.32	6.50	7.10	16.6	1225	11.9	0.76	-88	" " "

Well No. W32			Diameter (inches 4"			Sample Date / Time: 8-2-22 / 1000			
Product Depth (fbTOR):			Water Column (ft): 8.68			DTW when sampled: 21.44			
DTW (static) (fbTOR): 21.40			One Well Volume (gal): 5.67			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 30.08			Total Volume Purged (gal): 8.00			Purge Method: Low Flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1311	0 Initial	0.00	6.65	18.2	1401	55.9	0.76	-39	clear, no odor
1313	1 23.40	1.00	6.86	16.6	1378	64.2	0.75	-92	" " "
1323	2 26.50	4.00	7.00	17.4	1353	>1000	0.54	-103	Turbid, SL Petrol odor
1331	3 29.03	7.00	6.91	17.9	1324	>1000	0.46	-110	" " "
1333	4 Dry	8.00							
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			6.62						
1000	S1 21.44	8.00	~~6.62~~	18.1	1319	21.9	1.02	-18	clear, SL Petrol odor
1019	S2 21.74	8.00	6.79	18.6	1308	26.8	0.86	-94	" " "

REMARKS: W32 Replaced tubing during sampling. Previous tubing not long enough. Sampled with bailer.

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

nKey Environmental Restoration LLC

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: ORP #1 Olean Gateway

Date: 8/1/22

Project No.:

Client:

Instrument Source: [X] BM [ ] Rental

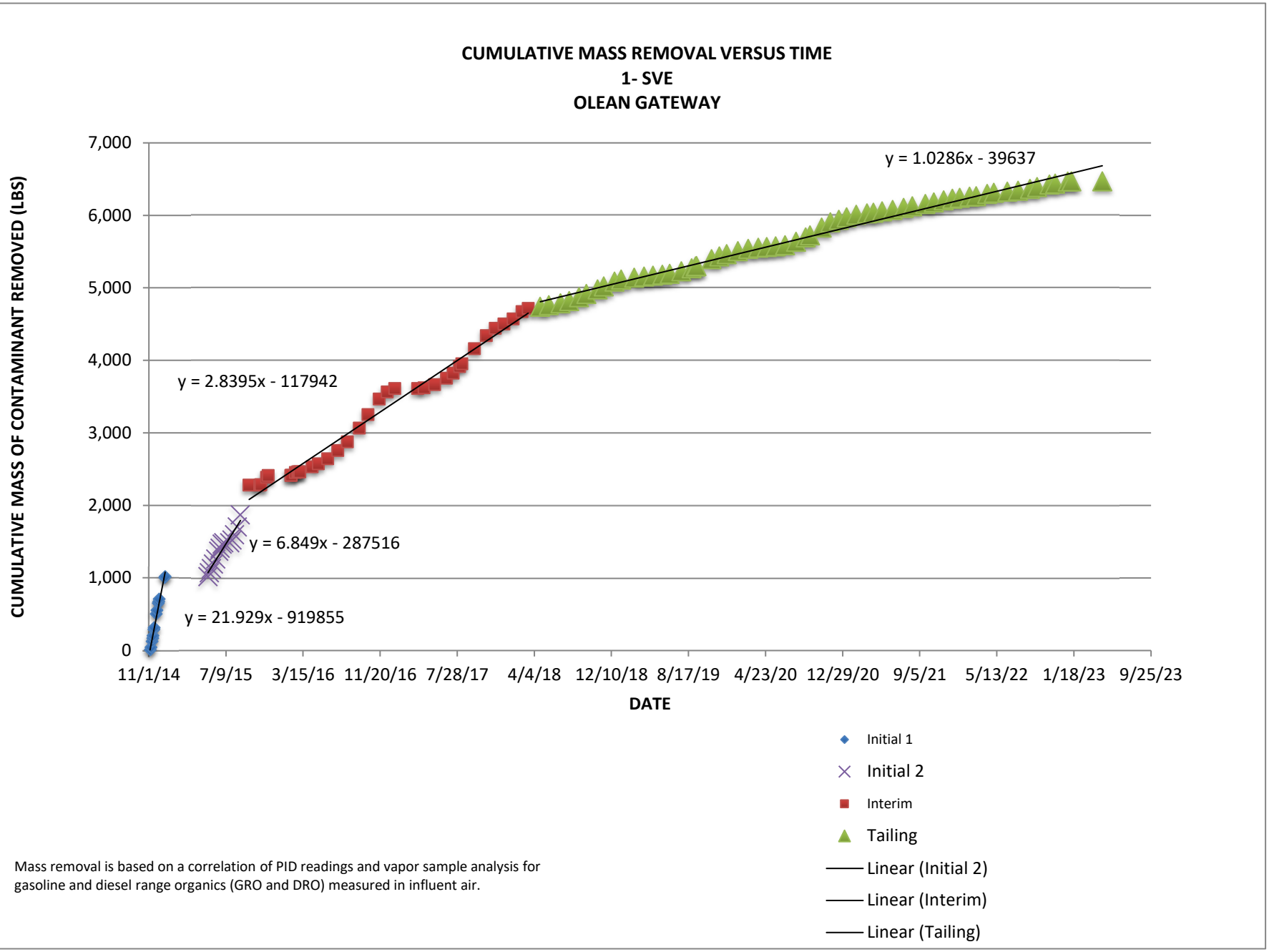
METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
[X] pH meter	units	1230	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [X] 6212375 [ ] 6223973 [ ]	CEH	4.00 7.00 10.01	3.98 7.09 10.03	
[ ] Turbidity meter	NTU		Hach 2100P or 2100Q Turbidimeter	06120C020523 (P) [ ] 17110C063619 [X] 13120C030432 (Q) [ ]		< 0.4 or 10 for 2100 Q 20 100 800	9.85	
[ ] Turbidity meter	NTU		LaMotte 2020	6523-1816 (La) [ ]		0.0 NTU 1.0 NTU 10.0 NTU		
[X] Sp. Cond. meter	uS mS	1230	Myron L Company Ultra Meter 6P	6213516 [ ] 6243084 [X] 6212375 [ ] 6223973 [ ]	CEH	7000 mS @ 25 °C	7000	
[ ] PID	ppm		MinRAE 2000			open air zero ____ ppm Iso. Gas		MIBK response factor = 1.0
[X] Dissolved Oxygen	ppm	1230	HACH Model HQ30d	080700023281 [ ] 100500041867 [ ] 1402000100319 [X]	CEH	100% Satuartion	100%	
[ ] Particulate meter	mg/m^3					zero air		
[ ] Oxygen	%					open air		
[ ] Hydrogen sulfide	ppm					open air		
[ ] Carbon monoxide	ppm					open air		
[ ] LEL	%					open air		
[ ] Radiation Meter	uR/H					background area		

ADDITIONAL REMARKS:

PREPARED BY: **DATE:** 8/1/22

APPENDIX D

SVE SYSTEM DOCUMENTATION


CUMULATIVE MASS REMOVAL VERSUS TIME
1- SVE
OLEAN GATEWAY
CUMULATIVE MASS OF CONTAMINANT REMOVED (LBS)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
y = 1.0286x - 39637
y = 2.8395x - 117942
y = 6.849x - 287516
y = 21.929x - 919855
11/1/14
7/9/15
3/15/16
11/20/16
7/28/17
4/4/18
12/10/18
8/17/19
4/23/20
12/29/20
9/5/21
5/13/22
1/18/23
9/25/23
DATE
Initial 1
Initial 2
Interim
Tailing
Linear (Initial 2)
Linear (Interim)
Linear (Tailing)
Mass removal is based on a correlation of PID readings and vapor sample analysis for gasoline and diesel range organics (GRO and DRO) measured in influent air.

BENCHMARK

Table D-1- Summary of SVE System VOC Mass Removal for 1-SVE
Periodic Review Report
Olean Redevelopment Site 1
NYSDEC BCP Site No. C905031
Olean, New York

Date	Elapsed Time (days)	SVE Operation Time (days)	Influent (Untreated) PID Reading (ppm)	Effluent PID Reading Biofilter (ppm)	Corrected Influent Concentration[1] (mg/m^3)	Vacuum (in of H_2O)	Air Velocity (Ft/Min)	Pipe Diameter (in)	Air Flow Rate (ACFM)	Volume of Air Processed Since Previous Reading (CF)	Rate of VOC Removal (lb/day)	VOCs Removed Since Last Monitoring Period (lb)	Total VOC Removal to Date (lb)	Notes
11/4/14	0	0	260	30	675	13.5	9800	2	194	0	0.0			
11/5/14	1	0.77	385	30	1000	14.0	9800	2	194	215604	17.5	6.7	7	
11/7/14	3	2.81	420	30	1091	14.0	8500	2	168	495307	16.5	34.7	41	
11/11/14	7	7.11	477	35	1239	14.0	9800	2	194	1203304	21.6	82.1	124	
11/13/14	9	8.81	662	30	1720	14.5	9800	2	194	474912	30.0	43.9	167	
11/14/14	10	9.97	657	30	1707	15.0	9800	2	194	323406	29.8	34.6	202	
11/17/14	13	12.96	634	30	1647	15.0	9800	2	194	836194	28.8	87.5	290	
11/18/14	14	13.72	685	30	1779	14.0	9800	2	194	212690	31.1	22.8	312	
11/24/14	20	19.97	658	30	1709	16.0	9800	2	194	1749112	29.9	190.5	503	
11/26/14	22	22.02	440	30	1143	16.0	9800	2	194	573002	20.0	51.0	554	
12/1/14	27	26.85	440	11	1143	17.0	9800	2	194	1351896	20.0	96.5	650	
12/2/14	28	28.01	417	30	1083	14.0	9800	2	194	323406	18.9	22.5	673	
12/4/14	30	29.96	380	30	987	16.0	9800	2	194	544837	17.2	35.2	708	
12/22/14	48	47.94	345	20	896	15.0	9800	2	194	5028819	15.7	295.7	1,004	
12/23/14	49	48.81	360	20	935	15.0	9800	2	194	244740	16.3	14.0	1,018	System off
5/11/15	188	48.81	205	20	533	16.0	8900	2	176	0	0.0	0.0	1,018	
5/15/15	192	53.09	205	15	533	13.0	8900	2	176	1087504	8.4	53.0	1,071	System restarted
5/22/15	199	60.13	201	5	522	12.0	8900	2	176	1786047	8.3	58.8	1,129	
5/29/15	206	67.09	220	10	571	11.5	8900	2	176	1770171	9.1	60.4	1,190	
6/5/15	213	74.06	235	15	610	12.0	10500	2	208	2088404	11.4	71.4	1,261	
6/15/15	223	84.06	210	10	545	12.0	10500	2	208	2996813	10.2	108.1	1,369	
6/19/15	227	88.10	185	10	481	13.0	10500	2	208	1211212	9.0	38.8	1,408	
6/26/15	234	95.08	150	10	390	12.0	10500	2	208	2091526	7.3	56.8	1,465	
7/1/15	239	100.1	0	10	0	12.0	10500	2	208	1498406	0.0	18.2	1,483	Blower Failed
7/21/15	258	100.1	180	10	468	13.0	10500	2	208	0	0.0	0.0	1,483	Blower Replaced
7/28/15	266	107.5	210	10	545	13.0	10500	2	208	2228880	10.2	38.0	1,521	
8/5/15	274	115.6	165	10	429	13.0	10500	2	208	2430748	8.0	73.9	1,595	
8/14/15	283	124.4	330	10	857	14.0	10500	2	208	2638860	16.0	105.9	1,701	
8/24/15	293	134.6	350	15	909	13.0	10500	2	208	3040516	17.0	167.7	1,869	
9/21/15	321	162.7	250	10	649	12.0	10500	2	208	8434780	12.2	410.4	2,279	
10/26/15	356	162.7	250	10	649	12.0	10500	2	208	0	0.0	0.0	2,279	Power line hit by contractor; system down
10/29/15	359	165.8	110	5	286	15.0	10500	2	208	917774	5.3	8.2	2,287	Restart system
11/17/15	378	184.7	105	5	273	15.0	10500	2	208	5668971	5.1	98.8	2,386	System shut down (frozen tank)
11/23/15	383	190.1	105	5	273	15.0	10500	2	208	1617030	5.1	27.5	2,414	System shut down (frozen tank)
2/4/16	456	190.1	50	5	130	14.0	10500	2	208	0	0.0	0.0	2,414	System restarted
2/5/16	458	191.8	55	5	143	14.0	10500	2	208	511956	2.7	2.3	2,416	
2/19/16	472	205.6	65	10	169	14.0	8800	2	174	3463935	2.6	36.7	2,453	
2/26/16	479	458.5	0	0	0	0.0	8800	2	174	63528153	0.0	334.9	2,788	System shut down for maintenance; knock-out valve malfunction
3/1/16	482	458.5	0	0	0	0.0	8800	2	174	0	0.0	0.0	2,788	Repair knock-out valve
3/4/16	485	458.5	40	10	104	18.0	8800	2	174	0	0.0	0.0	2,788	
4/13/16	526	498.9	45	5	117	17.0	8800	2	174	10145877	1.8	37.0	2,825	
5/3/16	546	519.2	50	5	130	18.0	8800	2	174	5096485	2.0	39.3	2,864	
6/2/16	576	549.1	58	2	151	17.0	9600	2	190	8185581	2.6	68.9	2,933	
7/5/16	609	581.9	100	10	260	16.0	9600	2	190	8979022	4.4	115.0	3,048	
8/5/16	640	612.9	75	3	195	15.0	9600	2	190	8510949	3.3	120.8	3,169	
9/13/16	679	652.1	140	10	364	15.0	9600	2	190	10720028	6.2	186.9	3,356	
10/11/16	707	686.9	160	10	416	17.0	9600	2	190	9538428	8.8	261.4	3,617	
11/16/16	743	722.8	110	5	286	18.0	9600	2	190	9852379	4.9	246.0	3,863	
12/12/16	769	748.8	60	5	156	32.0	9600	2	190	7115290	2.7	98.1	3,961	
1/6/17	794	773.7	25	5	65	37.0	9600	2	190	6818463	1.1	47.0	4,008	Blower motor failure; new blower ordered.
3/21/17	868	773.7	20	1	52	16.0	9600	2	190	0	0.0	0.0	4,008	Blower replaced
4/11/17	889	794.7	15	2	39	27.5	9600	2	190	5759589	0.7	7.0	4,015	
5/15/17	923	828.6	45	2	117	26.0	9600	2	190	9275850	2.0	45.1	4,060	
6/23/17	962	867.5	59	1.5	153	25.0	9600	2	190	10674362	2.6	90.0	4,150	
7/14/17	983	888.5	85	2.5	221	24.0	9600	2	190	5753881	3.8	67.2	4,217	
8/4/17	1004	909.7	114.7	4.1	298	23.0	9600	2	190	5796692	5.1	93.9	4,311	
8/11/17	1011	916.7	115.3	4	300	23.0	9600	2	190	1914155	5.1	35.7	4,347	
9/21/17	1052	957.9	113.8	3.7	296	23.0	9600	2	190	11297509	5.1	209.9	4,557	
10/30/17	1091	996.7	95.5	13.8	248	20.0	9600	2	190	10631551	4.2	180.5	4,737	
11/28/17	1120	1025.5	60	12	156	24.0	9600	2	190	7895413	2.7	99.6	4,837	
12/26/17	1148	1053.5	38.4	3.4	100	27.0	9600	2	190	7673744	1.7	61.2	4,898	
1/25/18	1178	1083.5	65	33.8	169	48.0	9600	2	190	8222684	2.9	68.9	4,967	
2/23/18	1207	1112.6	90	NA	234	48.0	9600	2	190	7951544	4.0	99.9	5,067	
3/15/18	1226	1132.1	9.6	1.2	25	48.0	9600	2	190	5357160	0.4	43.3	5,110	
4/23/18	1265	1171.1	19.2	1.1	50	40.0	9600	2	190	10663355	0.9	24.9	5,135	
5/21/18	1293	1199.1	15.2	1.4	39	48.0	9600	2	190	7655742	0.7	21.4	5,157	
6/28/18	1331	1237.1	14.2	3.6	37	45.0	9600	2	190	10389935	0.6	24.8	5,181	Bio-filter raked 6/8/18 & 6/22/18
7/26/18	1359	1265.1	34	5	88	49.0	9600	2	190	7655742	1.5	29.9	5,211	Bio-filter raked 7/6/2018 & 7/20/18

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Table D-1- Summary of SVE System VOC Mass Removal for 1-SVE
Periodic Review Report
Olean Redevelopment Site 1
NYSDEC BCP Site No. C905031
Olean, New York

Date	Elapsed Time (days)	SVE Operation Time (days)	Influent (Untreated) PID Reading (ppm)	Effluent PID Reading Biofilter (ppm)	Corrected Influent Concentration[1] (mg/m^3)	Vacuum (in of H_2O)	Air Velocity (Ft/Min)	Pipe Diameter (in)	Air Flow Rate (ACFM)	Volume of Air Processed Since Previous Reading (CF)	Rate of VOC Removal (lb/day)	VOCs Removed Since Last Monitoring Period (lb)	Total VOC Removal to Date (lb)	Notes
8/27/18	1391	1297.1	43	5	112	38.0	9600	2	190	8749419	1.9	54.6	5,266	Bio-filter raked 8/3/2018, 8/17/18, & 8/31/18
9/20/18	1415	1321.1	37.8	7	98	45.0	9600	2	190	6562064	1.7	43.0	5,309	Bio-filter raked 9/14/18 & 9/28/18
10/26/18	1452	1357.5	43.2	4.3	112	43.0	9600	2	190	9964616	1.9	65.5	5,374	Bio-filter raked 10/12/18 & 10/26/18
11/15/18	1472	1377.5	47.4	6.7	123	48.0	9600	2	190	5466488	2.1	40.2	5,415	Bio-filter raked 11/2/18, 11/16/18, & 11/30/18
12/20/18	1506	1412.1	39.7	4.2	103	45.0	9600	2	190	9450056	1.8	66.7	5,481	Bio-filter raked 12/14/2018 & 12/28/18
1/11/19	1528	1434.1	17.2	2.3	45	30.0	9600	2	190	6015226	0.8	27.8	5,509	Bio-filter raked 1/11/19 & 1/25/19
2/22/19	1570	1476.1	9.8	0.2	25	21.0	9600	2	190	11483613	0.4	25.1	5,534	Bio-filter raked 2/8/19 & 2/22/19
3/26/19	1602	1508.1	10.2	0.7	26	18.0	9600	2	190	8755200	0.5	14.2	5,548	Bio-filter raked 3/8/19 & 3/22/19
4/24/19	1631	1537.1	11.1	0.8	29	22.0	9600	2	190	7934400	0.5	13.7	5,562	Bio-filter raked 4/5/19 & 4/19/19
5/24/19	1661	1567	8.2	0.6	21	25.0	9600	2	190	8219830	0.4	12.9	5,181	
6/17/19	1685	1591	17.4	0.1	45	28.5	9600	2	190	6575864	0.8	13.7	5,195	
7/25/19	1723	1629	21.3	0.1	55	35.0	9600	2	190	10411784	0.9	32.7	5,228	
8/27/19	1756	1662	36.9	0.1	96	36.0	9600	2	190	9041813	1.6	42.7	5,270	
9/9/19	1769	1675	50.1	0.9	130	36.0	9600	2	190	3561926	2.2	25.1	5,295	
9/12/19	1772	1678	56.4	1.2	147	35.0	9600	2	190	821983	2.5	7.1	5,303	
10/31/19	1821	1727	29.8	0.1	77	35.0	9600	2	190	13425722	1.3	93.9	5,396	
11/25/19	1846	1752	34.7	0.1	90	34.0	9600	2	190	6849858	1.5	35.8	5,432	
12/19/19	1870	1776	27.8	0.0	72	35.0	9600	2	190	6575864	1.2	33.3	5,466	
1/24/20	1906	1812	24.9	0.0	65	35.0	9600	2	190	9863796	1.1	42.2	5,508	
2/27/20	1940	1846	13.9	0.0	36	35.0	9600	2	190	9315807	0.6	29.3	5,537	
3/30/20	1972	1878	8.8	0.0	23	18.5	9600	2	190	8767818	0.4	16.1	5,553	
4/27/20	2000	1906	5.6	0.0	14	18.0	9600	2	190	7671841	0.2	8.9	5,562	
5/26/20	2029	1935	10.4	0.0	26	35.0	9600	2	190	7945835	0.4	10.0	5,572	
6/25/20	2059	1965	15.1	0.0	38	36.0	9600	2	190	8219830	0.7	16.5	5,589	
7/31/20	2095	2001	44.1	0.0	111	34.2	9600	2	190	9863796	1.9	45.9	5,634	
8/31/20	2126	2032	49.7	0.4	125	32.1	9600	2	190	8493824	2.1	62.7	5,697	
9/14/20	2140	2046	36.4	1.2	92	31.2	9600	2	190	3835921	1.6	26.0	5,723	
10/22/20	2178	2084	94.6	0.9	238	29.2	9600	2	190	10411784	4.1	107.3	5,830	
11/19/20	2206	2112	25.6	0.7	65	32.0	9600	2	190	7671841	1.1	72.5	5,903	
12/17/20	2234	2140	31.4	0.5	79	34.0	9600	2	190	7671841	1.4	34.4	5,937	
1/11/21	2259	2165	34.9	0.3	88	30.7	9600	2	190	6849858	1.5	35.7	5,973	
2/11/21	2290	2196	15.6	0.1	39	32.2	9600	2	190	8493824	0.7	33.7	6,007	
3/18/21	2325	2231	11.1	0.0	28	30.1	9600	2	190	9589801	0.5	20.1	6,027	
4/8/21	2346	2252	12.3	0.3	31	33.0	9600	2	190	5753881	0.5	10.6	6,038	
5/6/21	2374	2280	15.7	0.3	40	32.1	9600	2	190	7671841	0.7	16.9	6,055	
6/9/21	2408	2314	13.5	0.2	34	32.0	9600	2	190	9315807	0.6	21.4	6,076	
7/15/21	2444	2350	20.2	0.1	51	34.0	9600	2	190	9863796	0.9	26.2	6,102	
8/12/21	2472	2378	16.1	0.2	41	36.0	9600	2	190	7671841	0.7	21.9	6,124	
9/23/21	2514	2420	18.8	0.2	47	36.0	9600	2	190	11507762	0.8	31.6	6,156	
10/21/21	2542	2448	19.9	0.2	50	32.0	9600	2	190	7671841	0.9	23.4	6,179	
11/22/21	2574	2480	20.8	0.2	52	31.0	9600	2	190	8767818	0.9	28.1	6,207	
12/20/21	2602	2508	16.1	0.2	41	32.0	9600	2	190	7671841	0.7	22.3	6,229	
1/13/22	2626	2532	10.7	0.1	27	33.0	9600	2	190	6575864	0.5	13.9	6,243	
2/14/22	2658	2564	8.9	0.0	22	32.0	9600	2	190	8767818	0.4	13.5	6,257	
3/7/22	2679	2585	6.7	0.0	17	34.0	9600	2	190	5753881	0.3	7.1	6,264	
4/12/22	2715	2621	33	0.0	83	34.0	9600	2	190	9863796	1.4	30.8	6,295	
5/3/22	2736	2642	6.1	0.1	15	34.0	9600	2	190	5753881	0.3	17.7	6,312	
6/16/22	2780	2686	8.3	0.0	21	30.1	9600	2	190	12055750	0.4	13.7	6,326	
7/21/22	2815	2721	14.9	0.0	27	31.0	9600	2	190	9589801	0.5	14.2	6,340	
8/29/22	2854	2760	27.5	0.0	49	32.0	9600	2	190	10685779	0.8	25.2	6,365	
9/21/22	2877	2783	44.2	0.0	79	32.0	9600	2	190	6301870	1.3	25.2	6,391	
10/31/22	2917	2823	13.6	0.0	24	34.5	9600	2	190	10959773	0.4	35.3	6,426	
11/18/22	2935	2841	33.2	0.9	59	34.0	9600	2	190	4931898	1.0	12.9	6,439	
12/29/22	2976	2882	10.1	0.5	18	30.1	9600	2	190	11233767	0.3	27.1	6,466	
1/10/23	2988	2894	8	0.0	14	30.0	9600	2	190	3287932	0.2	3.3	6,469	Shut down system for winter
4/20/23	3088	2994	13.9	0.0	25	24.0	9600	2	190	27399433	0.0	0.0	6,469	Restart system

Notes:

1. The estimated mass of contamination recovered is based on ratio of the sum of the gasoline and diesel range organics (GRO and DRO) as measured by a vapor sample collected with a summa canister to the contemporaneous PID reading.
   The ratio is 2.6 milligram per cubic meter for each 1 part per million on the PID for 11/14/2014 through 4/15/2020.
   The ratio is 2.52 milligram per cubic meter for each 1 part per million on the PID for 4/15/2020 through 6/26/2022.
   The ratio is 1.78 milligram per cubic meter for each 1 part per million on the PID for 6/27/2022 through 4/30/2023.

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TABLE D-2
SUMMARY OF SVE SYSTEM 1

OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

Date	Well	PID	Vacuum	System PID (ppm)	Notes
6/16/22	1-SVE-1	0.0	off	Influent: 8.3	SVE System 1 Vacuum: 30.1 inches H_2O
	1-SVE-2	0.8	15.8		
	1-SVE-3	4.2	24.1		
	1-SVE-4	0.0	off		
	1-SVE-5	0.0	off		
	1-SVE-6	0.0	off		
	1-SVE-7	70.1	24.8		
9/21/22	1-SVE-1	0.0	off	Influent: 44.2	SVE System 1 Vacuum: 32 inches H_2O
	1-SVE-2	15.0	16.5		
	1-SVE-3	17.0	24.7		
	1-SVE-4	0.0	off		
	1-SVE-5	0.0	off		
	1-SVE-6	0.0	off		
	1-SVE-7	419	24.6		
11/17/22	1-SVE-1	0.0	off	Influent: 33.2	SVE System 1 Vacuum: 34 inches H_2O
	1-SVE-2	17.9	19.9		
	1-SVE-3	12.1	22.1		
	1-SVE-4	0.0	off		
	1-SVE-5	0.0	off		
	1-SVE-6	0.0	off		
	1-SVE-7	174.0	30.2		
12/29/22	1-SVE-1	0.0	off	Influent: 10.1	SVE System 1 Vacuum: 30.1 inches H_2O
	1-SVE-2	1.5	19.2		
	1-SVE-3	9.2	29.3		
	1-SVE-4	0.0	off		
	1-SVE-5	0.0	off		
	1-SVE-6	0.0	off		
	1-SVE-7	148.4	25.1		

Note: Wells 1-SVE-1, 1-SVE-4, 1-SVE-5, and 1-SVE-6 were turned off due to low PID reading in those locations in an effort to focus the vacuum in locations of higher PID readings.

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TABLE D-3
SUMMARY OF SVE SYSTEM INTAKE AIR ANALYTICAL DATA

OLEAN REDEVELOPMENT PARCEL 1
NYSDEC BCP SITE NO. C905031
OLEAN, NEW YORK

Parameter [1]	Sample Date [2]					% Decrease from 2014
	12/4/2014	8/14/2015	4/15/2020	6/27/2022	5/1/2023	
Volatile Organics Compounds (VOCs) - ug/m [3]						
2,2,4-Trimethylpentane	ND < 124	ND < 54.2	14.7	ND < 1.87	ND < 1.46	98.8%
2-Butanone	2,800	ND < 85.2	ND < 1.47	ND < 2.95	3.01	99.9%
4-Methyl-2-pentanone	ND < 109	ND < 118	33.0	ND < 4.10	ND < 3.2	97.1%
Carbon disulfide	108	ND < 36.1	ND < 0.623	ND < 1.25	ND < 0.977	99.1%
Chloroform	ND < 130	ND < 56.6	1.37	2.66	ND < 1.52	98.8%
Cyclohexane	6,400	1,160	8.95	17.2	ND < 1.07	100%
Dichlorodifluoromethane	ND < 132	ND < 57.4	1.79	3.42	2.64	98.0%
Heptane	1,940	338	1.09	2.4	3.73	99.8%
n-Hexane	737	138	1.13	2.78	3.84	99.5%
Tetrahydrofuran	2,940	ND < 85.2	ND < 1.47	ND < 2.95	ND < 2.3	100%

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect
2. Vapor results from 2014 and 2015 were obtained through dilution

Definitions:

ND < RL = Parameter not detected above laboratory reporting limit.

NA = Not analyzed or not applicable